Nikon F

(Work No. 20FBI)

REPAIR MANUAL

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Tokyo, Japan

(67.12.c) H

EYE - LEVEL FINDER

No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
20FD2-A1	Prism frame	1	1, 4 x 2, 9 x 4, 23, 24 x 2, 25	69	
A2	Prism support 1	1	13, 7, 8	69	
A3	Prism support 2	1	14, 7, 8	69	
A4	Prism front support	1	3, 5, 6	69	
A5	Dust-tight cover	1	27, 28	69	
A6	Eyepiece lens	1	G2, G3		

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Figure No. in the Service Parts List are referred to in this Repair Manual.

REMOVAL OF FRONT COVER

1. Unscrew 2 screws No. 2036 (Fig. 1). Remove name plate No. 2033 and the plate No. 2034.
2. Unscrew 2 screws No. 2038 on the front surface, and then 2 screws No. 2021 on both sides. Take off front cover No. 2002.

REMOVAL OF TOP COVERS

1. Remove the camera back.
2. Remove the front cover (See Fig. 1).
3. Take off the eye-level finder by depressing the lock button on the back side of the camera.
4. Removing the right-hand (rewind knob side) top cover No. 2003B (Fig. 2).
   a. Removing the rewind knob (Fig. 2).
      (1) Erect the rewind crank No. 552.
      (2) Unscrew the set screw No. 573, by which the rewind knob No. 551 is attached to the rewind shaft.
      (3) Holding the rewind fork No. 2425, remove the rewind knob No. 551 by turning counterclockwise.
   b. Removing the accessory shoe base (Fig. 2).
      (1) Unscrew 2 screws No. 2043 and remove the shoe cover No. 2037. (This is attached to the shoe base No. 2017).
      (2) Unscrew 4 screws No. 2020 and remove the shoe base No. 2017.
      (3) Unscrew the flash contact No. 2702.
      (4) Unscrew the top cover screw No. 2041, and remove the righthand top cover.

5. Removing the left-hand (shutter dial side) top cover No. 2003A.

(1) Removing shutter speed dial (Fig. 2).

a. Unscrew the shutter speed dial set screw No. 258 and remove the speed dial No. 2301 together with the milled ring No. 2303.

b. The dial spring No. 255 and the spring washer No. 256 will be removed together.

(2) Removing the A-R ring

a. Turn the A-R ring slightly toward R, until the set screw No. 436 can be seen through the hole on the side of the ring. Unscrew this screw.

b. Unscrew the retainer No. 387 by means of a forked screw driver. Remove A-R ring No. 2431, shutter button No. 386, and shutter stopper No. 388.

(3) Removing the winding lever (Fig. 2).

a. Unscrew 3 set screws No. 436 on the side of the exposure counter and remove the counter ring No. 428.

b. Remove the film load reminder plate No. 591.

c. Remove the adjusting ring No. 595 and 3 set screws No. 599. Then, the winding lever No. 444 will be taken off.

(4) Removing the top plate retainer.

Unscrew the top plate retainer No. 443 by means of a screw driver. Then unscrew the top cover screw No. 2041. The left-hand top cover will now be taken off.

REMOVAL OF BOTTOM COVER

1. Remove the camera back.
2. Unscrew 4 serews No. 22 (Fig. 4) at the corners of the bottom cover No. 2007.
3. Take off the bottom cover.

REMOVAL OF MIDDLE PLATE

1. Remove the front cover (See p. 1).
2. Remove both the right-hand and left-hand top covers (See p. 1, p. 2).
3. Remove the governer (See p. 12).
4. Loosen the set screw No. 393 on the boss No. 322 of the lever No. 306 located on the governer switching shaft (Fig. 12).
5. Unscrew each one of the middle plate attaching screws No. 20, No. 2352, No. 380 and No. 329 (Fig. 3).
6. Removing the slow lever shaft screw.
   Unscrew the slow lever shaft screw No. 300.
   Note: Remove the following three parts as a unit (Fig. 3): slow lever No. 299, the lever shaft No. 297 and the lever spring No. 2354.
7. Pull up the middle plate, turning aside the upper pallet control lever No. 2309 (Fig. 12).

REMOVAL OF MIRROR HOUSING

1. Remove the camera back.
2. Remove the eye - level finder and the focusing screen.
3. Remove the front cover (See p.1).
4. Remove the top covers (See p.1, p.2)
5. Removing the selftimer lever (Fig. 1)
   a. Turn the selftimer retainer No. 803 counterclockwise by means of a forked screw driver and remove.
   b. Take off the self-timer lever No. 801.
6. Tear off the front leather.
7. Unscrew 4 screws No. 423 and the screw No. 2023 (Fig. 1).
8. Unscrew 2 self-timer attaching screws No. 29 (Fig. 1).
9. Detach the sponge plate No. 2029d (made of porous plastic) (Fig. 5).
10. Unscrew 2 screws No. 2040 and also 2 screws No. 2133 (Fig. 5), located under the right-hand top cover.
11. Detach the plate No. 2125 from the mirror housing which can now be taken off together with the front plate No. 2006 (Fig. 5). (Steps 1 thru 10 sufficient for access to escapement)
12. Separating the mirror housing from the front plate.
    a. Unscrew 2 screws No. 2042 (Fig. 5) on the top edges of the mirror housing.
    b. Separate the housing from the front plate (Fig. 6). Take care not to damage the aperture diaphragm lever No. 2247, inserted between the pieces No. 2181 and No. 2224, and also the self-timer connecting lever No. 2179 located under the pin No. 2180.

REPAIR OF MIRROR ACTION DISORDER

1. If the mirror doesn't lift up, after the shutter button has been depressed, check the following points after removing the mirror housing (See p. 4) and separating the housing from the front plate.

   a. Lever No. 2219 (Fig. 6, Fig. 6') should abutt the end of the lever No. 2416 (Fig. 3).

      If not, check the following:

      (1) Weakness of the spring No. 2417 (Fig. 3).

      Change the spring to increase smoothness of movement of the lever itself.

      (2) Moving range of the large lever No. 2413 (Fig. 3) is not sufficient, which is caused by deformation of the large lever itself or by that of the cam No. 2395 (Fig. 17).

      Change either of them.

      (3) Weakness of the spring No. 2202 (Fig. 6) (Old model)
      No. 2209 (Fig. 6') (New model)

      Change the spring.

   b. Check the mirror releasing lever No. 2158 (Fig. 8) for ease of operation arm and pin (No. 2180 & 2181, Fig. 6, Fig. 6') should operate smoothly in unison with release link (arm No. 2179, rod and fork No. 2171, Fig. 6, Fig. 6'). Check the mechanism consisting of the No. 2180, be sure that the lever No. 2171 and No. 2179 are firmly fastened to the rod, and positioned for proper operation.

2. If the mirror is not lowered and remains lifted up.
   The lever No. 2219 stays on the lever No. 2416 (Fig. 3 and 6, 6') and doesn't move.

This is due to excessive strength of the lever spring No. 2417 (Fig. 3) or to weakness of the spring No. 2209 No. 2209A (Old model) (Fig. 6), No. 2209 (New model) (Fig. 6').
Change either spring.

3. If the mirror is not held exactly at 45° angle when lowered or after shutter winding.
Adjust the 45° angle in the following way:
   a. Turn the eccentric pin No. 2154 (Fig. 8) to adjust the angular position of the mirror.
   b. If the adjustment is not sufficient, loosen either screw No. 2161 or 2166 (Fig. 7) and shift the plate No. 2151 (Fig. 8).

4. Even though the shutter button can be depressed, the shutter doesn't operate (Fig. 4).
This is because the pawl No. 2325 on the side of the mirror is not released from the cam No. 2348.
Weaken the pawl spring No. 2326 or shift the pawl base No. 2327 after loosening the screws No. 2330 and 2331.
Adjustment of the intermediate spring No. 2339 may also be required.

5. The mirror lifts up while the film advance lever is being wound up.

This disorder may occur in case the lens is not attached to the camera and also only when the lens is attached to the camera. In any way, the following are probable causes and corrective measures (See the accompanying figures):

1. The space between the hook No. 2158 and the damp lever No. 2152 is not correct. In the state of the mirror being lowered, feel with your finger whether the prong No. 2218 on the side of the mirror is held by the hook No. 2158 without too large play. The play can be adjusted by rotating the eccentric pin No. 2154. It sometimes happens that the spring No. 2162 is too weak to make the hook

No. 2158 come back to the correct position in relation to the prong No. 2218, while moving up and down the plate No. 2181. If it is, bend more the spring No. 2162.

2. Spring action of the spring No. 2209 is too weak.

Take out the mirror housing from the camera body. Measure the strength of the spring No. 2209 by hanging a weight on the lever No. 2219. It should be 600 - 610 gr. If it is not, rectify its strength by bending more the spring No. 2209.

3. The lever No. 2211A comes in contact with the S-formed wire No. 2220. Check the space between the lever No. 2211A and the wire No. 2220. It must be over 0.5mm. If it is not, reduce the space by bending more the spring No. 2209 to the opposite direction. In this case, take care not to change the weight of the lever No. 2219. (New model)

4. The space between the lever No. 2413 and the lever No. 2291 is too small.

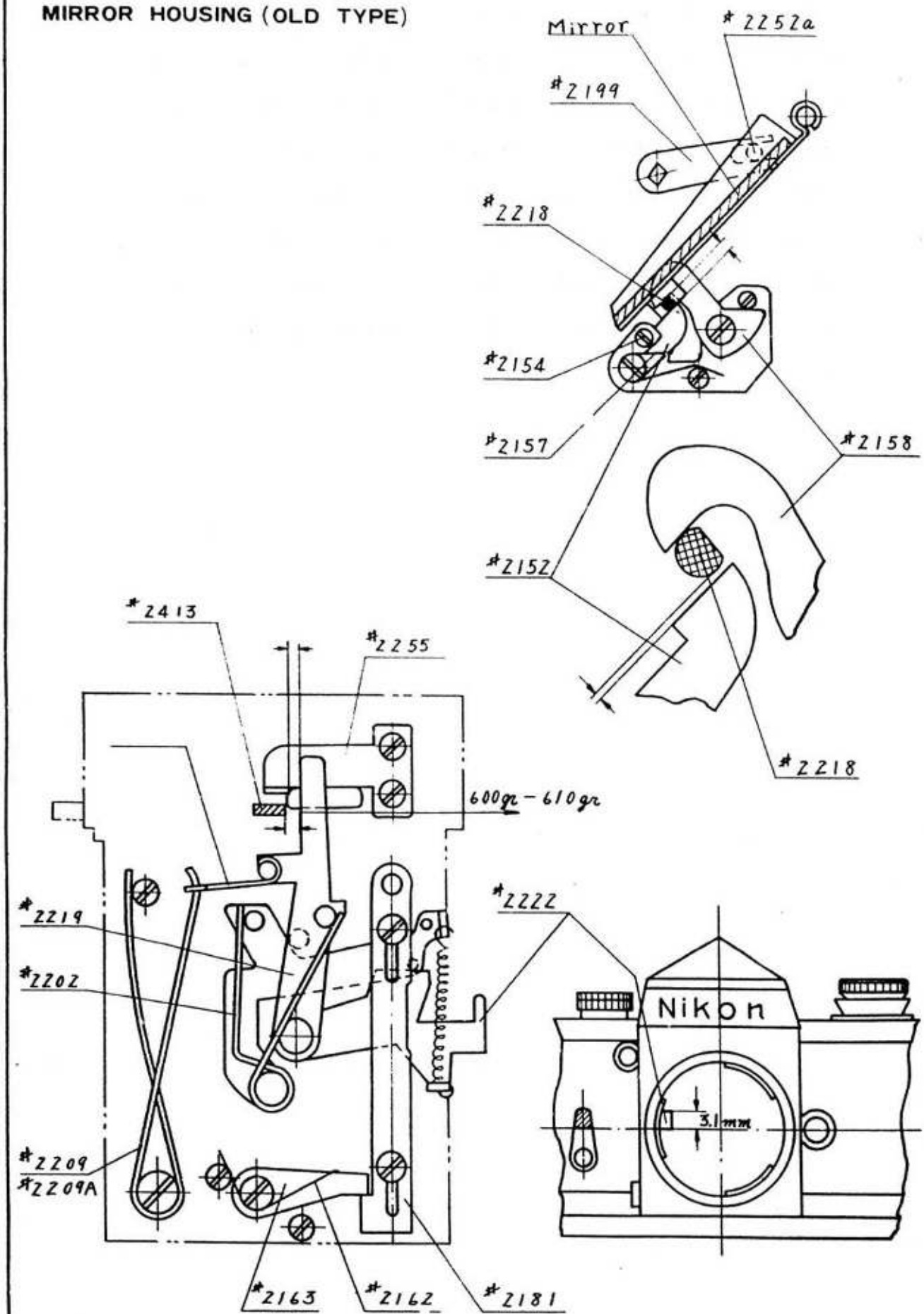
Check the space by moving the lever No. 2413 in the state of the shutter released. If it is not larger than 0.5mm, replace the lever No. 2413 by a new one.

5. The play between the mirror pin No. 2252a and the forked lever No. 2199 is too large.

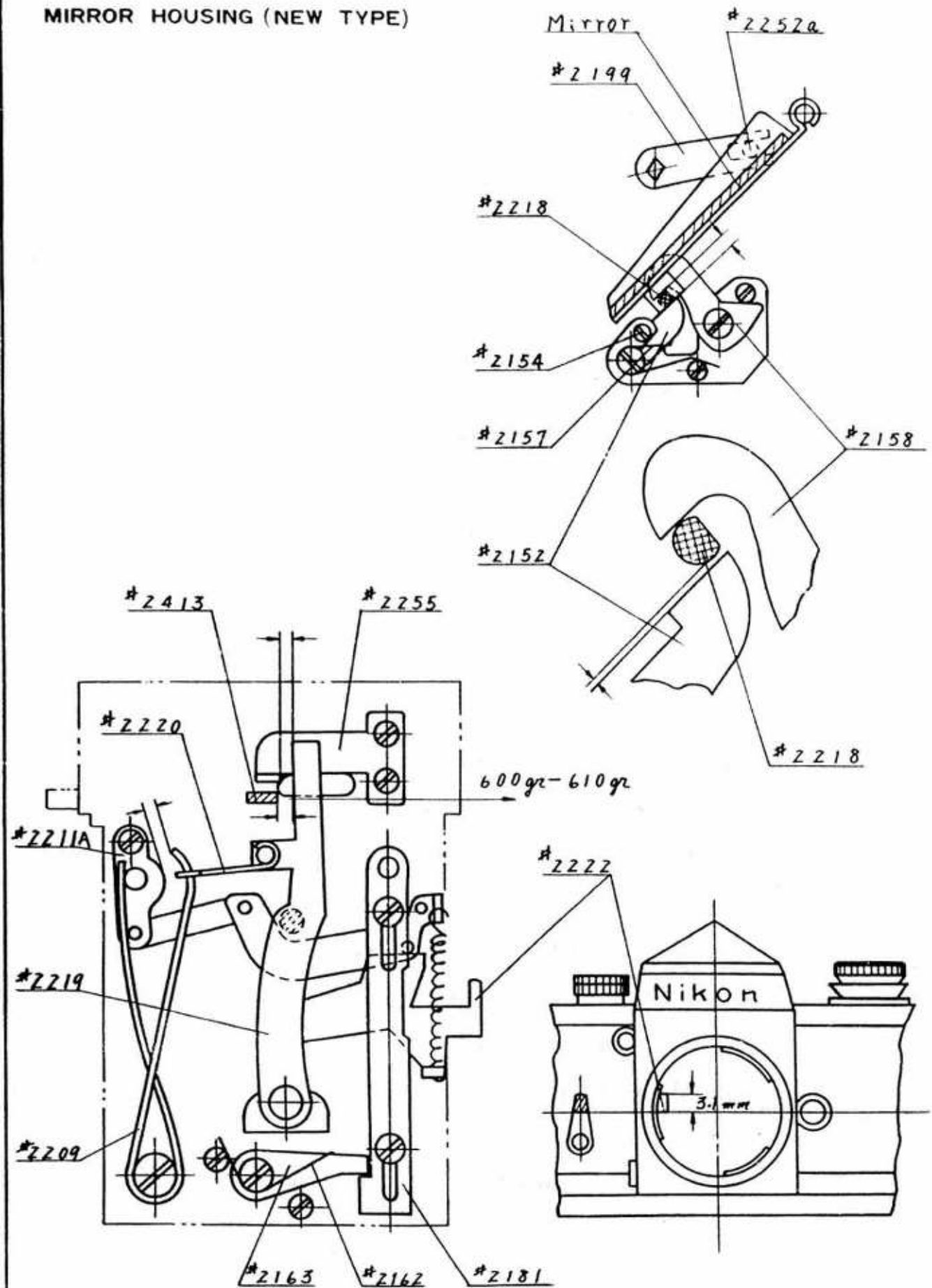
While raising or lowering the mirror, check the play by feeling with your finger. If the play is too large, the moving stroke of the mirror is not kept constant. Replace the forked lever No. 2199. The derangement, however, takes place very seldom.

6. Vertical position of the diaphragm lever No. 2222 of the lens from the lens mount axis is larger than 3.1mm. This occurs seldom. For checking the position, a precise gauge will be required. If no gauge is at your hand, attach the lens to the camera. Then, after removing the pentaprism, check the contact between the diaphragm lever of the lens and that of the camera body. If the position is found too high, reduce the height of the diaphragm lever No. 2222 by filing the top surface of the lever.

MIRROR HOUSING (OLD TYPE)



MIRROR HOUSING (NEW TYPE)



ADJUSTMENT OF SHUTTER SPEED

A. High shutter speeds.

1. Remove the left-hand top cover only (See p. 2).
2. Attach the winding lever No. 444 and the ring 450A with 3 screws No. 599 (Fig. 2).
3. Attach the shutter speed dial No. 2301 and fasten it with screw No. 258.
4. Remove flash circuit contact No. 700 - 706 (Fig. 3) after unscrewing 2 screws No. 704.
5. Remove the bottom cover No. 2007 (See p. 3).
6. Adjust for shutter curtain the speed of 14.5 milliseconds with the speed dial set at 60 in the following way:
   Regulate the front curtain speed by changing the front curtain tension by turning the worm No. 362 after loosening the set screw No. 2438. The tension will be relaxed by turning the worm to the left (Fig. 4).
7. Produce 1/60 sec. shutter speed by adjusting eccentricity of the screw No. 283C (Fig. 13).
8. Produce 1/500 sec. shutter speed by turning the eccentric screw No. 287A, after loosening the lock nut No. 287 B (Fig. 13). Check the speed 1/60 again, and if not correct repeat the procedures 7 and 8 described above.
9. Adjust the speed 1/1000 sec. by opening or closing therecessed part of the high speed cam No. 268.
10. Check the speed 1/60 and B.

B. Slow shutter speeds

1. Remove the left-hand (shutter dial side) top cover only (See p. 2)

2. Attach the winding lever No. 444, the ring No. 450A with 3 screws No. 599 (Fig. 2).

3. Attach the shutter speed dial No. 2301 with the screw No. 258 (Fig. 2).

4. Rotate eccentric pin of the slow lever No. 301 (Fig. 3) to adjust 1/4 sec. speed. For adjusting 1, 1/2, 1/4 and the mean error of all the speeds use the slow lever revolving axis No. 297 (Fig. 3)

Remarks: 1. In case of the above adjustments it is not advisable to take off the governer No. 501 - 536. If the governer must be removed, do not disturb its starting point nor shift its attached position.

2. When exchanging the governer, choose the one of the same retardation character as that used, and attach it at the same starting position.

3. To remove the governer see the following paragraph.

C. Removal of Governer

1. Remove the mirror housing together with the front plate. (See p. 4).

2. Remove the bottom cover (See p. 3).

3. Removing the governer.

a. Holding the camera body and the governer with the left hand, unscrew 2 governer fastening screws No. 329 (Fig. 4) from bottom cover side.

b. Place the camera body on the table. Take out the governer with tweezers.

Remarks: In this case take care of the relationship of the slow lower lever No. 294 to the change-over bottom lever No. 306 (Fig. 12).

Depending upon the relation to the change-over shaft, set the shutter speed dial at the speed 4, 2 or 1. Take care not to deform the change-over bottom lever, when taking it off.

D. Exposure Uniformity

a. If the slit width of the shutter curtain is narrower at the end of its travel than at the beginning, the following are probable causes and corrective measures:

1. Spring tension is not adequate.
   Adjust the tension of the 1st curtain (not of the rear curtain) according to the procedure described in "Adjustment of shutter speed: High shutter speeds" (p. 11).
2. Too much friction is effected upon the escapement cam No. 2315 (Fig. 13). Lubricate the surface of the cam No. 2315 (Fig. 13).
3. Strength of the escapement lever spring No. 289 is too strong. Weaken it but not too much, otherwise the shutter speed would become unstable.

Note that the middle plate should be removed for above adjustments 2 and 3 (See p. 3).

b. If the slit becomes wider at the end than at the beginning, the following causes and measures may be possible.

1. Spring tension is not correct.
   Adjust spring tension (p. 11).
2. Revolution of the drum connector is too heavy.
   Replace the drum connector in the following way:
   a. Take off the synchro cam No. 2308 (Fig. 14), after pulling out the taper pin No. 345. (Fig. 17)

b. Unscrew 3 screws No. 281 on the drum bearing part.

c. Drum subassembly (Fig. 17), consisting of the casing No. 280, drum connector No. 276, ball bearing No. 279, pawl No. 275, etc. can now be removed together. Exchange the subassembly.

E. Inconsistency of Shutter Speed

Inconsistency of high speeds

1. If the shutter curtain rubs against the light baffle cloths No. 2039 on the mirror housing frame No. 2010 (Fig. 6), the attaching position of the covering No. 2010 should be corrected in the following procedure:

   a. Remove the front cover (See p. 1).

   b. Remove the right-hand and left-hand top covers (See p. 1, 2).

   c. Remove the mirror housing together with the front plate (See p. 4).

   d. Detach the mirror housing from the front plate (See p. 5).

   e. Loosen 4 screws No. 2043 and 2 lower ones of 4 screws No. 2014 (Fig. 6), adjust the position of the frame No. 2010 and tighten screws.

2. If the tension of the tear-drop lever spring No. 289 is inadequate (Fig. 13).

   a. Remove the middle plate (See p. 3).

   b. Adjust the tension of the spring No. 289.

3. If the shutter speed dial is loose.

   a. Unscrew the screw No. 258 (Fig. 2) and remove the shutter dial 2301.

   b. Remove the milled ring No. 2303 and the dial spring No. 255.

c. Remove the shutter winding index No. 254 (Fig. 3) (See "Removal of Middle Plate").

d. Unscrew 2 screws No. 259, remove the shutter click wheel No. 265.

e. Remove the click spring No. 261 and bend it to increase spring action.

4. If the lower idle gear No. 354 (Fig. 17) is not correctly in gear with the lever No. 418, which causes unstable starting position, adjustment should be made by shifting the positions of the gear No. 354 and the lever plate No. 2327.

5. If the escapement spring is deformed.

a. Remove the left-hand (shutter dial side) top covers (Fig. 1).

b. Unscrew the escapement spring screw No. 323, remove the escapement spring No. 313 and correct the form (Fig. 2).

6. If the range of horizontal movement of the escapement is not sufficient. Remove the escapement spring No. 313 and correct its form.

Inconsistency of slow speeds.

(1) If the movement of the governer is not smooth, Change the governer (See "Removal of Governer" and "Adjustment of shutter speed: Slow shutter speeds")

(2) If the drum connector does not revolve freely change the drum connector (See p. 14).

2. Height of the catching pawl is not correct.

   If the end of the pawl remains touching the dial clutch No. 431 even when the dial shaft No. 483 is lowered, bend pawl No. 438 slightly downward.

3. Vertical movement of the dial shaft is not smooth.

   The shaft No. 483 should move smoothly when the camera back is attached or detached. If it doesn't, adjust the tension of the winder coupling springs No. 486 and No. 487 (Fig. 17).

B. If the counter doesn't advance correctly, check the following points:

1. Moving range of the catching pawl No. 438 is not sufficient.

   Replace the eccentric shaft No. 441.

2. Height of the pawl No. 438 is not correct.

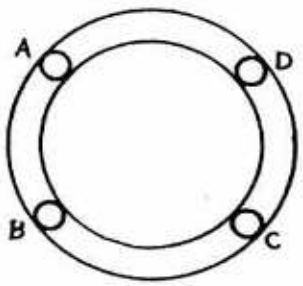
   Bend the pawl No. 438 so that the pawl couples to the dial clutch No. 431 correctly.

3. Height of the counter dial shaft is not correct.

   Attach camera back to camera. Check the counter dial shaft for sufficient height. If insufficient, repair the camera back and the shaft (See p. 25).

ADJUSTMENT OF FLANGE-FOCAL LENGTH

1. Remove the camera back.
2. Set the shutter dial at T and keep the shutter curtain open.
3. Measure of the distance between the flange surface of the bayonet ring and the surface of the outer film rails by use of a standard gauge and a dial indicator. If the distance is found incorrect.
   a. Remove the front cover.
   b. Unscrew 4 attaching screws No. 2064 (Fig. 1) and remove the bayonet ring No. 2051.
   c. If the distance is longer than the standard, grind away the bayonet ring surface. If the distance is shorter, insert the liners No. 81 of proper thickness (use the liners for Nikon SP). Take care not to place one or two liners in the diagonal direction. Choose the liners of the same thickness and place them at A and B, A and C, C and D or B and D as shown in the figure.



REPLACEMENT OF SHUTTER CURTAINS

1. Remove the front cover (See p. 1).
2. Remove the top covers (See p. 1).
3. Tear off the front leather (the removed leather cannot be used again)
4. Unscrew 2 screws No. 29 (Fig. 1) on the left side of the self-timer plate.
5. Unscrew 4 screws No. 423 and the screw No. 2023, remove the front plate.

   The mirror housing remains attached.

   Remove 2 screws No. 2040 (Fig. 5).
6. Remove the bottom cover (See p. 3).

   A. In replacement of the shutter curtains, the front curtain is to be replaced at first and then the rear curtain.

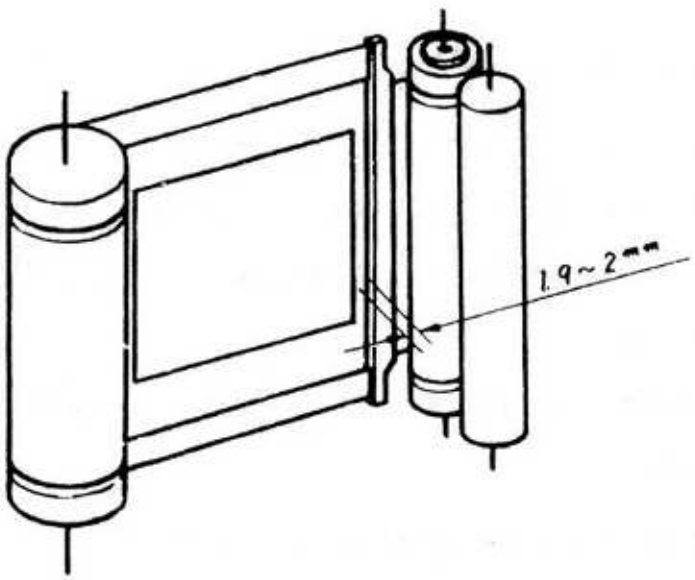
      a. Replacement of front curtain.

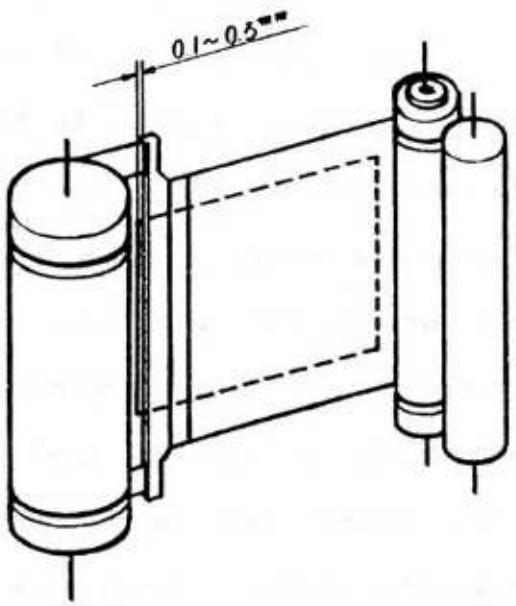
         Put first the ribbons of the first curtain onto the upper No. 343 and lower No. 343 pulleys as shown in Fig. 10 and then put the curtain upon the front spring tube No. 374. (See the illustrations p. 19).

         Before the glue dries, make correct positioning of the front curtain while stretching.

         Take care not to attach the curtain slantwise, as this would impair the shutter speed accuracy.

         At the tripped position and when the braking mechanism of the front curtain is freed, the space between the rod of the curtain and the edge of the picture frame aperture should be 1.9 - 2.0mm. Check the parallelism of the curtain to the picture frame aperture. For this purpose, wind up


1.9~2㎜


0.1~0.5㎜

the front curtain by revolving the pulleys, in order to get a narrow slit of 0.1 - 0.3mm, and look to the light through the slit. If the light slit has a wedge-shape, adjustment is necessary

b. Replacement of rear curtain.

Put the strips of rear curtain on the tube spring (See the illustrations p. 21. Then put the curtain on the drum. In this case, in order to reach the end of the curtain, use a screw driver instead of the fingers, while releasing slightly tension of the curtain after winding it up.

The overlap is checked according to the illustrating.

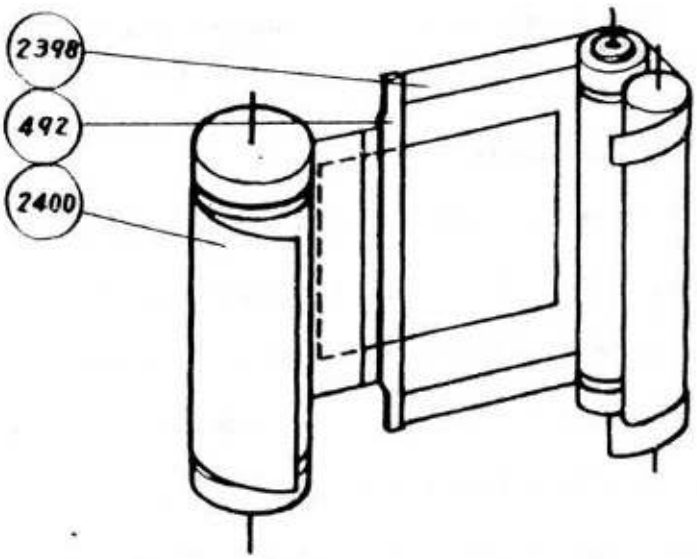
Bring the both curtains to the middle of the aperture plate, check the overlap as shown in the illustrations which means, the inside edge of the rear curtain should hardly be seen from the film side. To check parallelism, make a narrow slit between (0.1 - 0.3mm) both curtains by winding the shutter partially and observe the light through this narrow slit. The slit can be made by turning the drum with your finger. If the light slit has a wedge shape, adjustment is necessary.

B. Replacement of first curtain only

The procedures described above for both curtains are sufficient. In this case, if the rear curtain is approximately in correct position, replacement of the front curtain can be made relative to the rear curtain so far as overlap and parallelism are concerned.

C. Replacement of rear curtain only

The procedures described for both curtains are also sufficient. If the first curtain remains in correct position, the rear curtain is aligned, using the first curtain for reference.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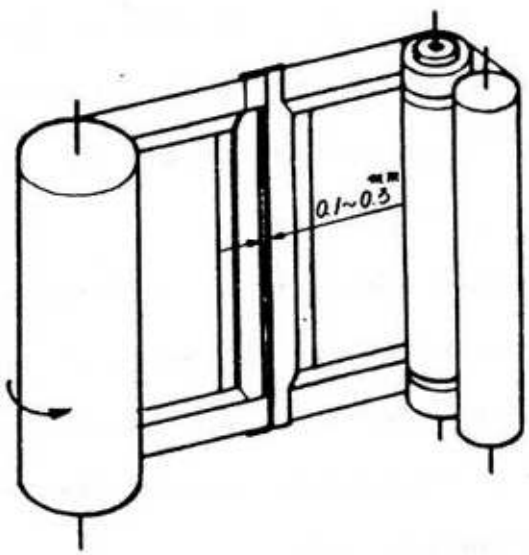

0.1~0.3

After replacing the shutter curtains, keep the shutter in the released state about one hour without using the spring, in order to prevent the curtains replaced from shifting. Reassembling of the parts can be done in the reversed procedures, taking care that the light baffle doesn't touch the curtain for fear of impairing the shutter speed accuracy (See p. 14).

ADJUSTMENT OF FLASH SYNCHRONIZATION

If synchronization does not work properly, the following inspection and adjustment is necessary:

A. Insulation of the terminals

B. Safety contact

C. Wiring System

D. Conductivity

E. Time lag

A. Insulation of the terminals

1. Flash outlet behind the accessory shoe.

   Pull out the bakelite and nylon insulators No. 702, and No. 703 located inside the outlet No. 2701 - No. 2703 and replace them.

2. Side terminal to be connected to flash unit cord.

   a. Remove the right-hand top cover (See p. 1).

   b. Remove the rewind knob base No. 2017 (Fig. 2).

   c. Loosen the set screw of the terminal.

   d. Take off the connecting wire of the terminal.

   e. Unscrew the terminal No. 711 (Fig. 14), and replace it

B Safety contact No. 700 - No. 707 (Fig. 3)

1. Remove the camera back.

2. Remove the left-hand top cover (See p. 2).

3. If the attaching screw No. 704 (Fig. 3) makes contact with the contact plates No. 700 and No. 701 (Fig. 14) shift the position of the unit No. 701 - No. 707 after loosening the set screw. If the safety contact itself is not right, replace it.

C. Wiring system

Replace the wiring system in the camera.

D. Conductivity

After releasing the shutter, hold the shutter release button depressed. While doing this, see if the flash circuit is closed or not. If not, adjustment is to be made as follows:

1. Clean the contact surfaces of No. 706 and No. 707 (Fig. 14) and also of No. 706 and No. 2401 by use of paper.
2. If the spring on the safety contact plate No. 701 is found too weak, increase tension by bending.
3. If conductivity of either of the flash terminals located behind the accessory shoe or on the camera side is found defective, replace it as described in A. (Insulation of the terminals).

E. Time lag

The shutter curtain travel and flash circuit closing should take place after another in conformity with the following sequence:

1. The synchro-selector being set at the green dot, the time passed between the flash circuit closing and the beginning of the front curtain opening is to be 8/1000th of second.
2. The selector being set at the red dot, the time described above is to be 4/1000th of second.
3. The selector being set at the white dot, the flash circuit should be closed at the instant the front curtain reaches the center of the film aperture.
4. With the selctor set at FX and the shutter speed dial set at 1/60, the flash circuit is to be made at the instant of full opening of the first curtain (X contact) which will take place before the rear curtain starts its closing action.

If synchronization does not work as described above, check and adjust it in the following way:

1) Insufficient conductivity (Fig. 14)

Adjust the conductivity as described in D (See p. 25).

2) Incorrect position of the time lag controlling contact.

a. Remove the right-hand top cover (See p. 1).

b. X contact can be adjusted by turning the eccentric pin No. 583 (Fig. 14) on the middle plate or bending the fork ends of the cam lever No. 2403. For this purpose, removement of the lever shaft No. 2407 and then of the lever No. 2403 is permissible. Take care, however, of the spring No. 2405 (Fig. 14) and the nut No. 2404 located underneath. Reassembling needs proper handling of the nut spring.

c. Improper operation of the synchro-running lever No. 2401 or detachment of the spring No. 2402 is repaired after removing the middle plate.

REPAIR OF CAMERA BACK

Slack in the fitting of the camera back to the camera body may arise and can be repaired as follows:

1. Deformation of the lock link No. 2603 (Fig. 15, 16).

   This is caused by turning forcibly the lock handle when the camera back is not correctly placed on the camera body.

   Correct the form of the lock link No. 2603 or replace it, after taking out the link by removing the parts No. 604, No. 608, No. 621 No. 620 and No. 607 (Fig. 15, 16).

2. Loosening of the fastening screw No. 604

   This causes whole locking mechanism to become loose. Tighten the screw No. 604, keeping the both ends of the semicircular piece No. 608 on the axial line of the camera bottom plate, when the lock is turned to the "Open" position.

3 Loosening of the rivets (Fig. 16)

   This also causes the lock link to become loose. For adjustment it is necessary to disassemble the locking mechanism and to rerivet. Use a special riveting tool and a plate of duraluminum or brass on which riveting is to be worked.

4. A slight slackness in the fitting of the camera back and the camera body.

   This can be removed by correcting the deformed back plate No. 2601 by bending the end of the lock link No. 2603 at spool end and/or by bending the tongue No. 608 at magazine end.

CLEANING AND REPLACEMENT OF EYE-LEVEL FINDER AND FOCUSING SCREEN

1. Focusing screen

Taking out the screen assembly, remove the screen clips No. 2104. Replace the screen plate with a new one. Choose the screen plate of the same flatness as before, otherwise the back focus would not be kept correct.

Dust the new screen surface with a brush. Don't use alcohol or ether. After replacement, check the focused plane by means of a focometer.

2. Penta-prism

Remove the eye-level finder.

Peel off the leatner at the corners of the top (Fig. 9).

Unscrew 4 screws No. 2120.

Take off the prism holders No. 2108, 2117 and 2118.

Clean or replace the prism.

3. Inside of eye-piece.

Unscrew 4 screws No. 2120 and remove the prism cover as described above.

Unscrew the eye-piece fastening screws No. 21190.

Take out the eye-piece assembly and clean the inside.

Nikon F

Work No. 20FB1 ---Camera body
Work No. 20FD2---Eye-level Finder

PARTS LIST
(Revised)

NIPPON KOGAKU K.K.

Tokyo, Japan

(69. 11. c) H

- NIKON F PARTS LIST -

CONTENTS

CAMERA BODY (20FB1)

Illustrations . . . . . Page 1 - 18

Parts List . . . . . Page 19 - 61

Subassembly List . . . . . Page 62 - 68

EYE-LEVEL FINDER (20FD2)

Illustrations . . . . . Page 69

Parts List . . . . . Page 70 - 71

Subassembly List . . . . . Page 72

- NOTE -

Spare parts are divided as follows:

○ . . . . . Can be supplied individually

△ . . . . . Not supplied individually but only as subassembly

○△ . . . . Supplied either as part or subassembly

× . . . . . Not considered as used for repairing

When ordering spare part, give work-and-part number, name and quantity.

Example:	20FB1-801	Self-timer lever	1

When ordering subassembly, give work-and-subassembly number, name and quantity.

Example:	20FB1-A5	Rewind knob	1

Caution: Never forget to give the work number of the instrument in any case.

Fig – 1

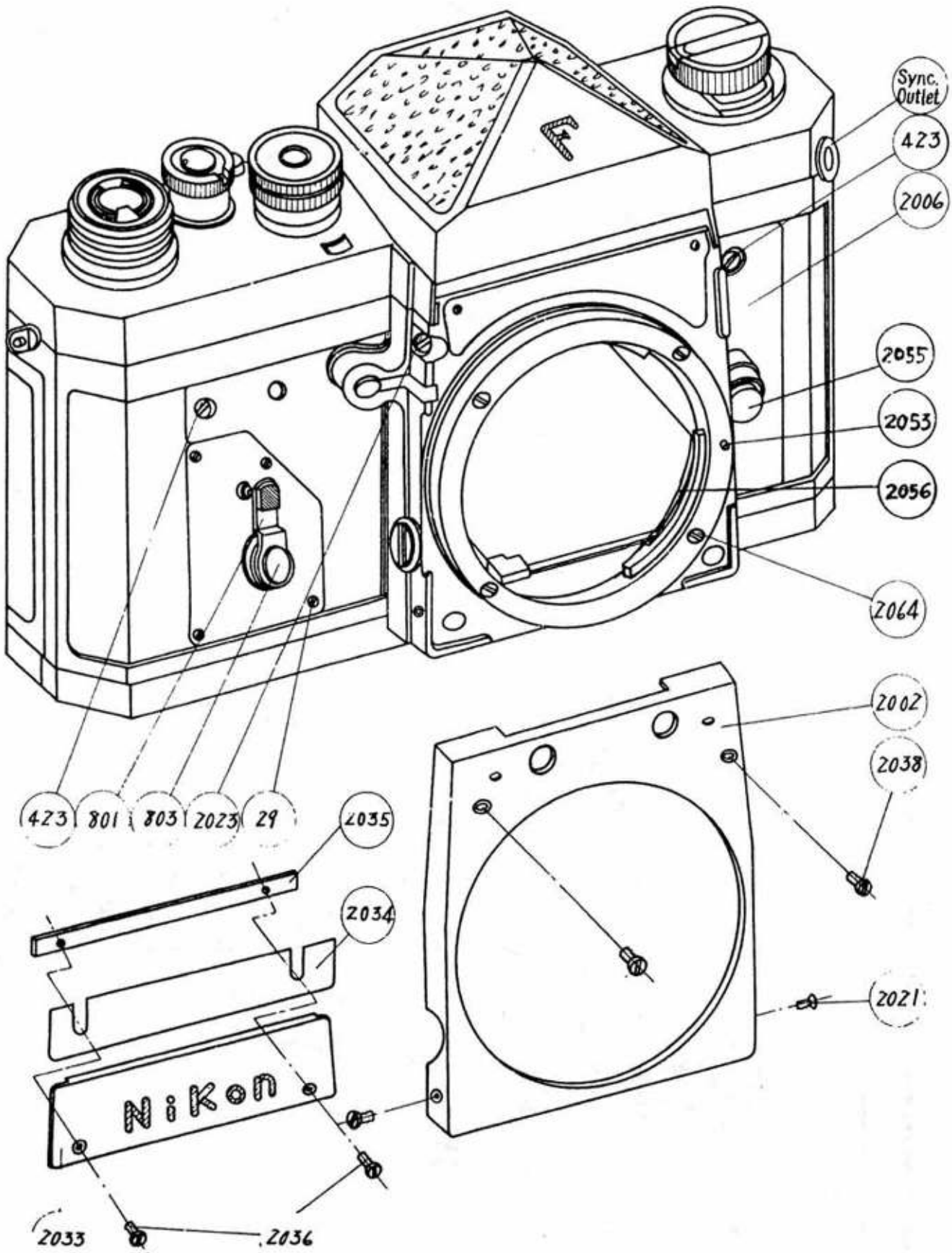

Sync. Outlet
423
2006
2055
2053
2056
2064
2002
2038
2021
423
801
803
2023
29
2035
2034
Nikon
2033
2036

Fig. -2

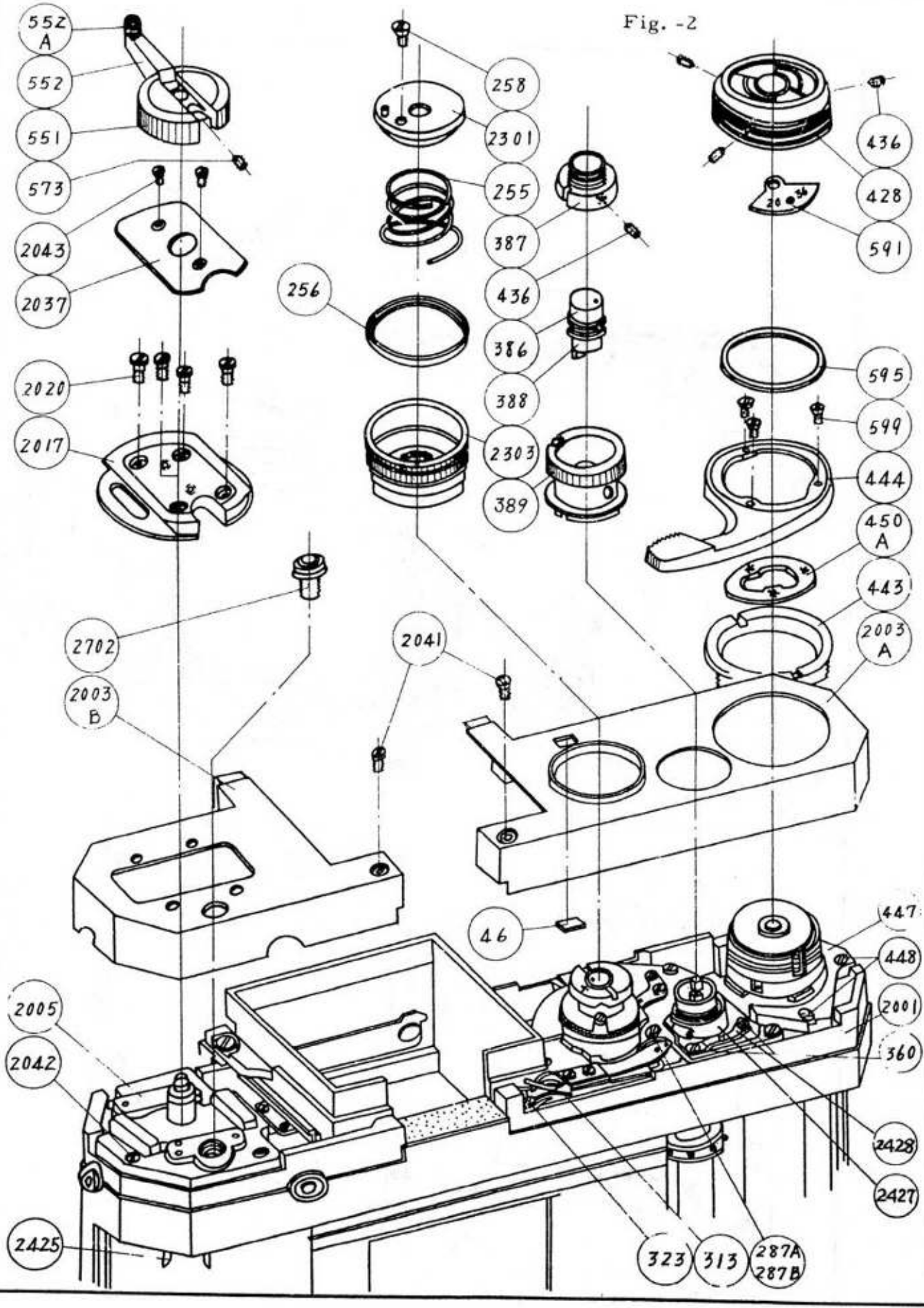

552 Z A
552
551
573
2043
2037
2020
2017
258
2301
255
387
436
386
388
2303
389
256
436
428
591
595
599
444
450 A
443
2003 A
2702
2003 B
2041
46
447
448
2001
360
2005
2042
2428
2427
2425
323
313
287A
287B

Fig. -3

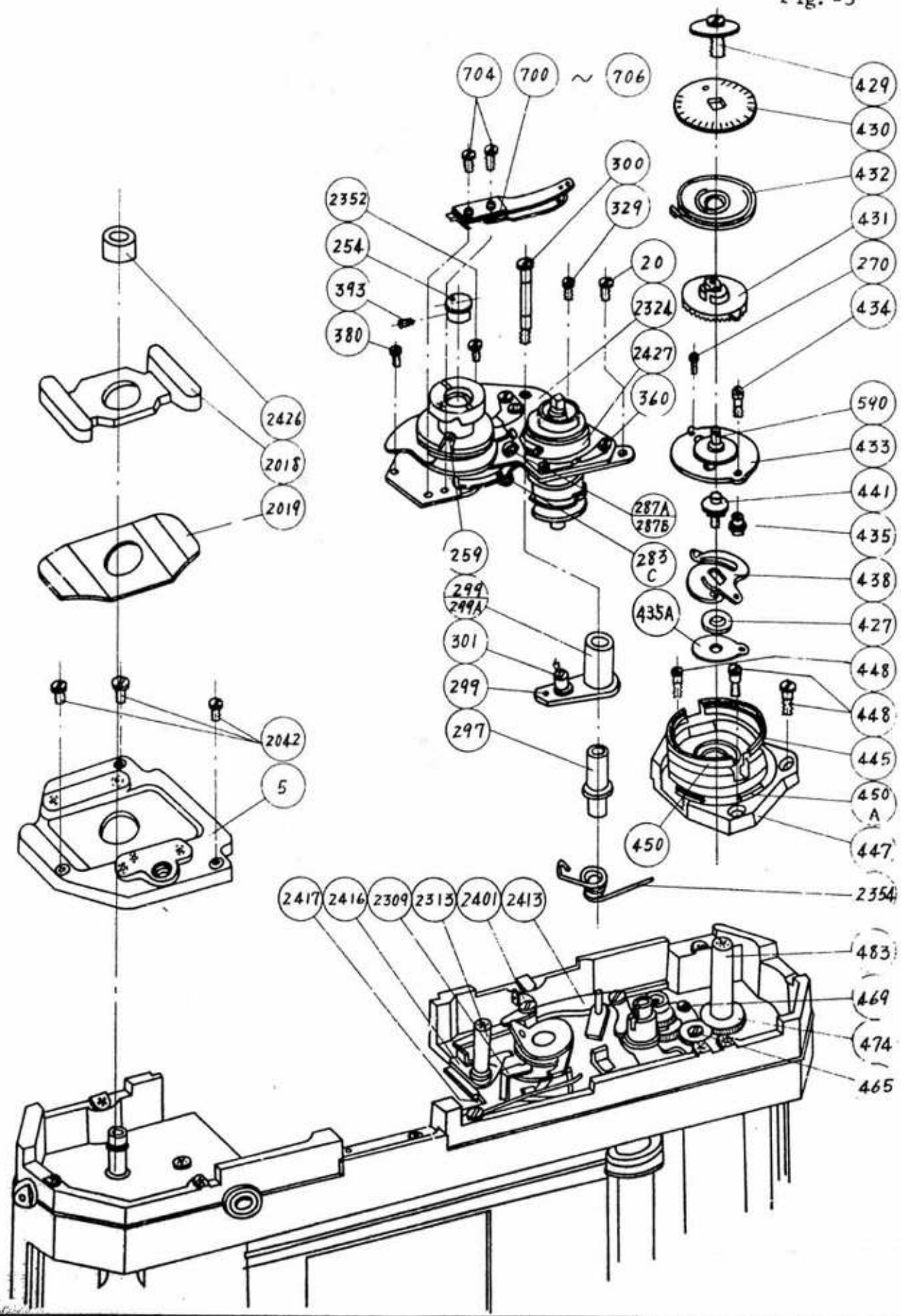
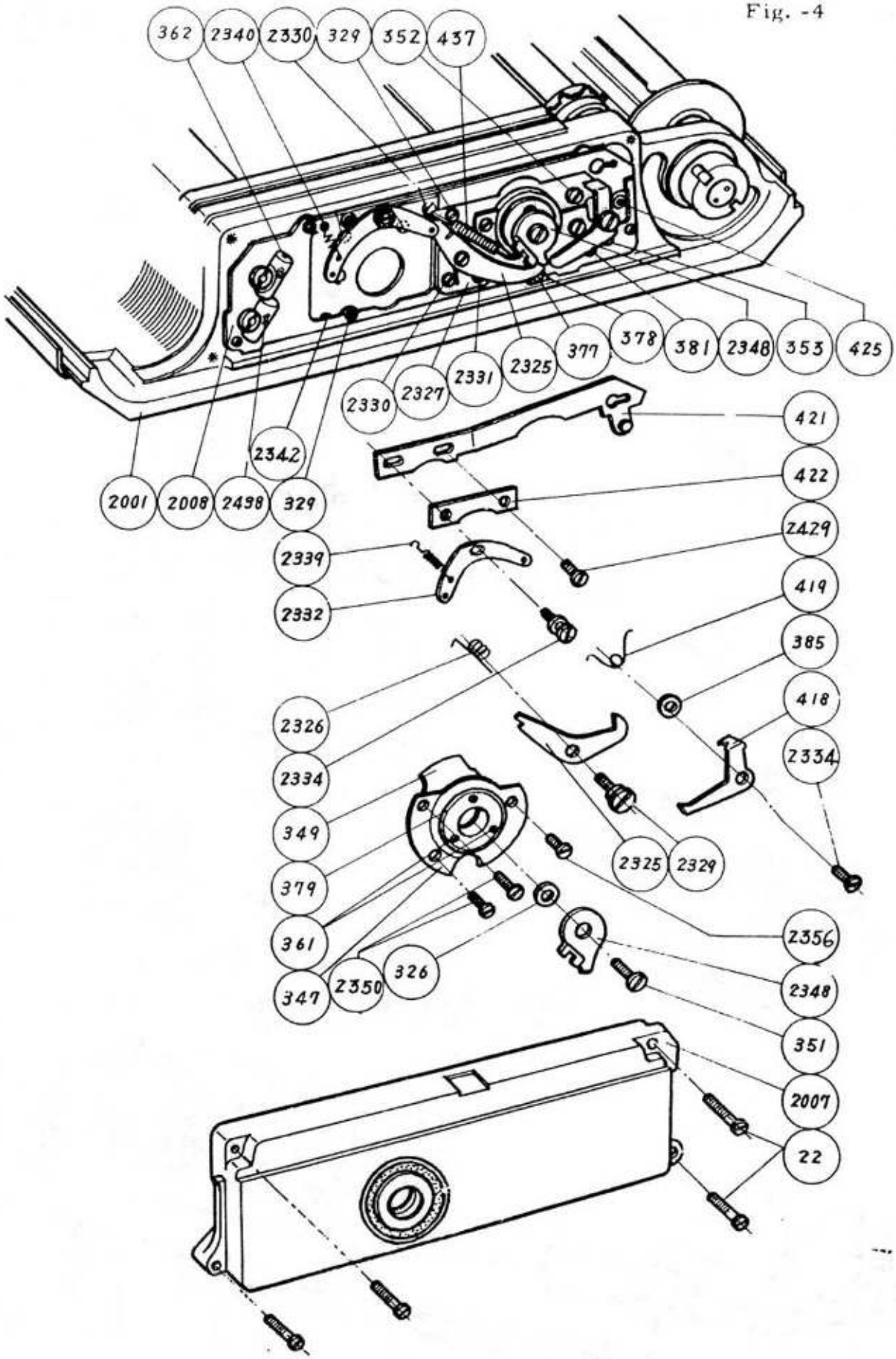

704
700 ~ 706
429
430
300
329
432
2352
254
393
380
20
2324
2427
360
431
270
434
540
433
441
435
438
427
448
448
445
450 A
447
2426
2018
2019
2042
5
259
299
299A
301
299
297
287A
287B
283 C
435A
450
2354
2417
2416
2309
2315
2401
2413
483
469
474
465

Fig. -4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2340
2330
329
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437
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381
2348
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425
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2331
2327
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419
385
418
2334
2342
2001
2008
2498
329
2339
2332
2326
2334
349
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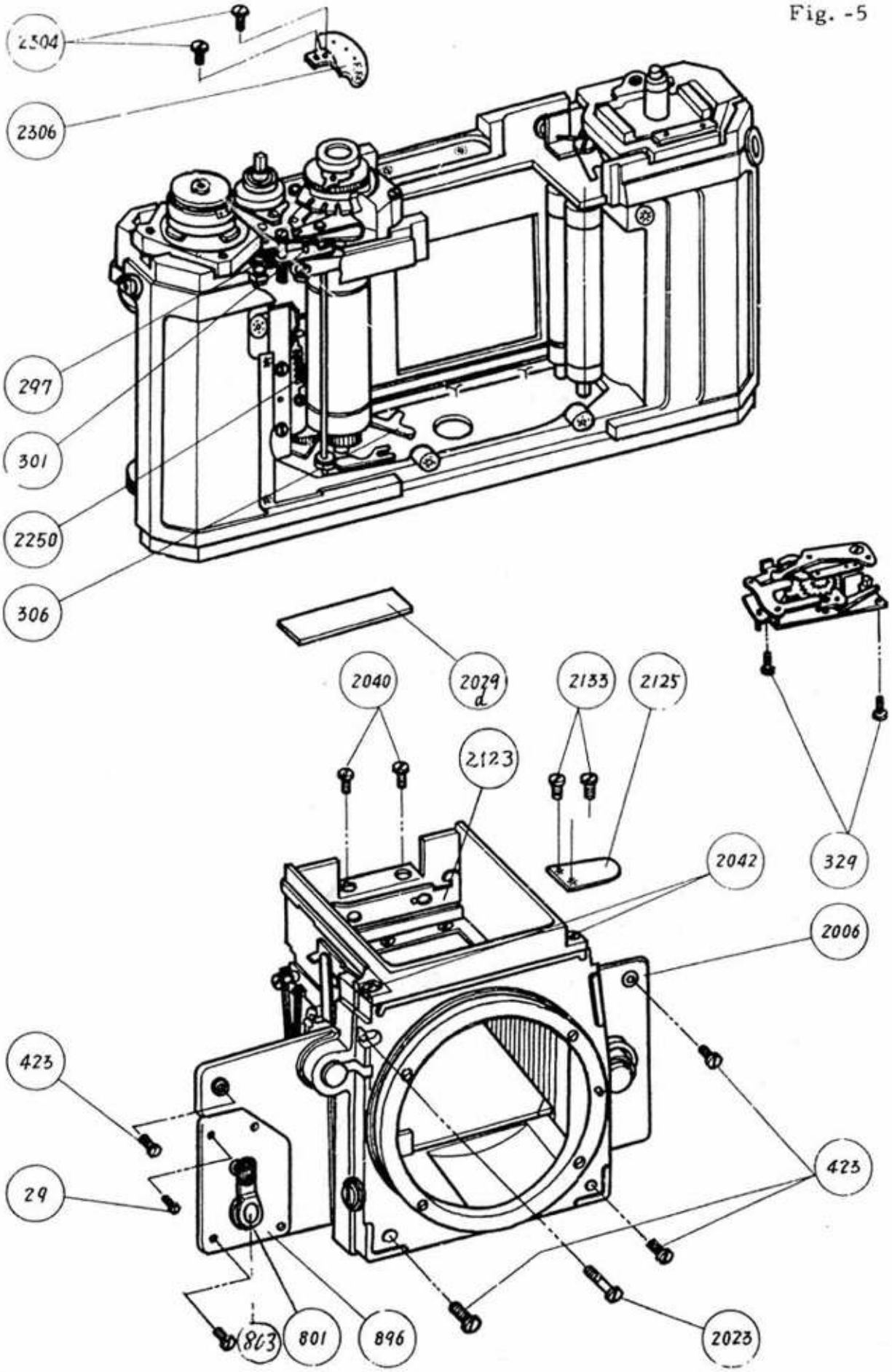
361
347
2350
326
2325
2329
2356
2348
351
2007
22

Fig. -5


2304
2306
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301
2250
306
2040
2029 d
2133
2125
2123
2042
329
2006
423
29
423
803
801
896
2023

MIRROR HOUSING (Old)

Fig. -6
(Old)

Now re-designed as per
Fig-6'

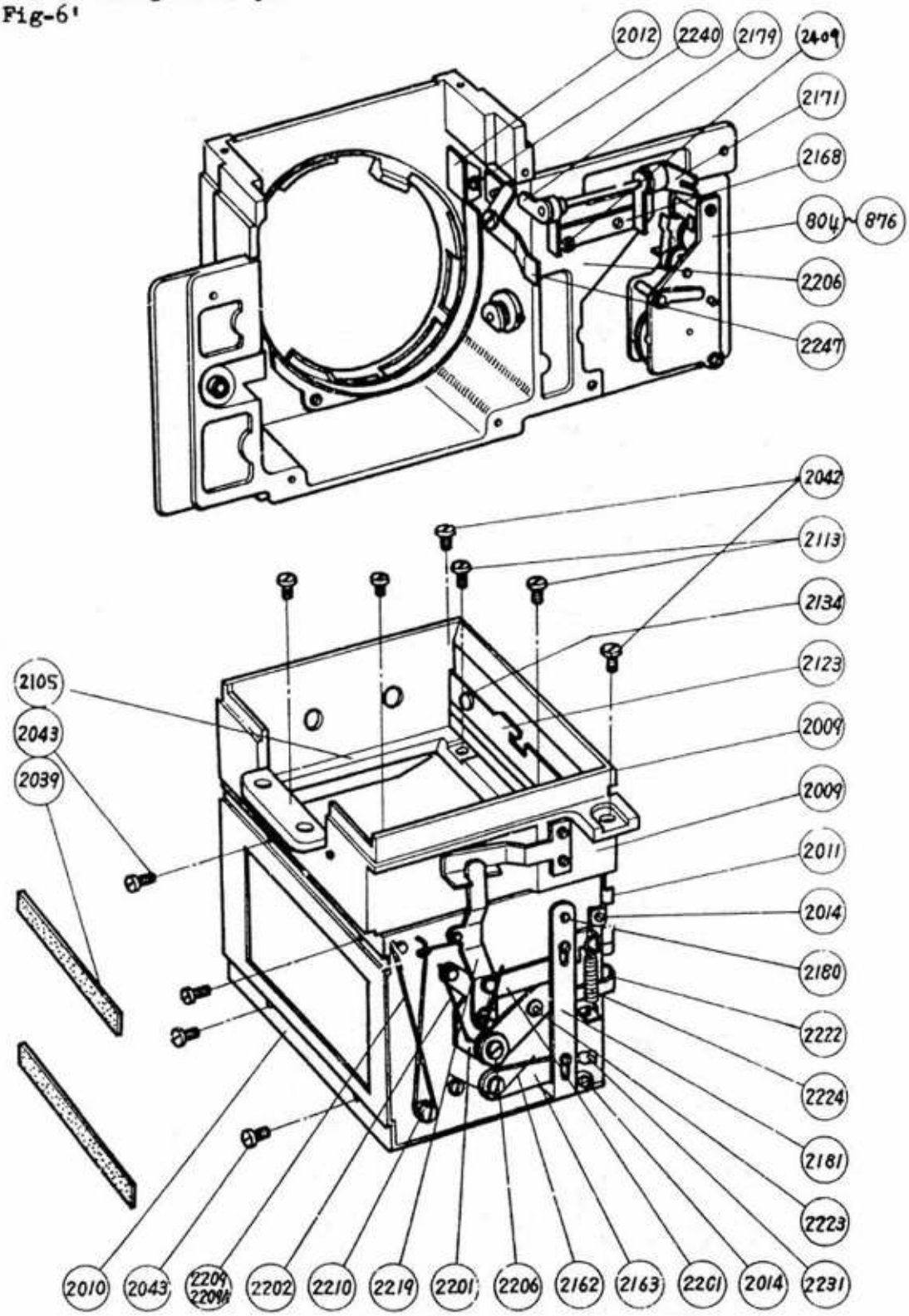
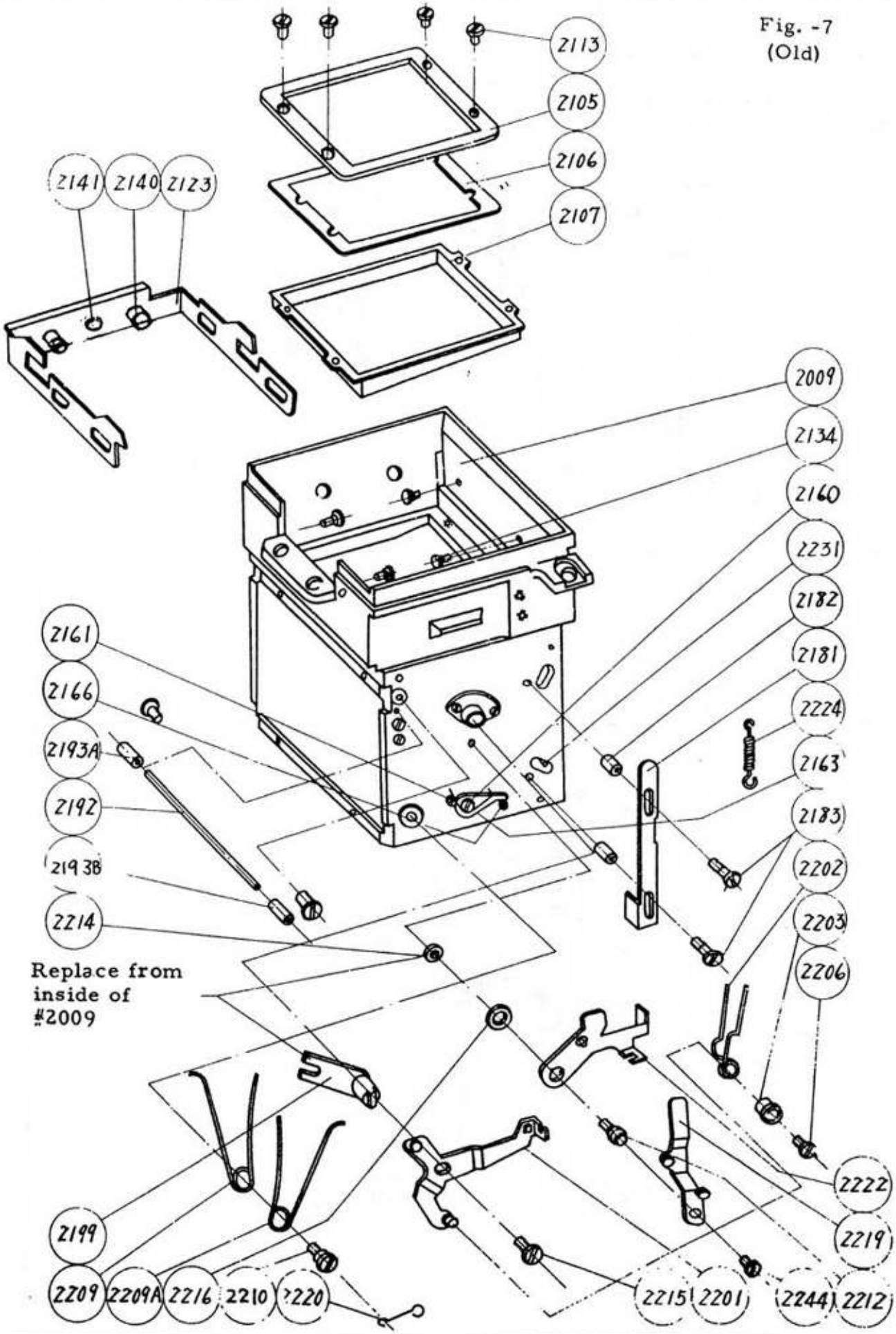


Fig. -7
(Old)


2113
2105
2106
2107
2141
2140
2123
2009
2134
2160
2231
2182
2181
2224
2163
2183
2202
2203
2206
2161
2166
2193A
2192
2193B
2214
Replace from inside of #2009
2222
2219
2199
2209
2209A
2216
2210
2220
2215
2201
2244
2212

MIRROR HOUSING (New)

Fig. -6'
(New)

New housing is marked with a white spot on its uppermost, circumferential edge easily to discriminate from the old, discontinued housing.

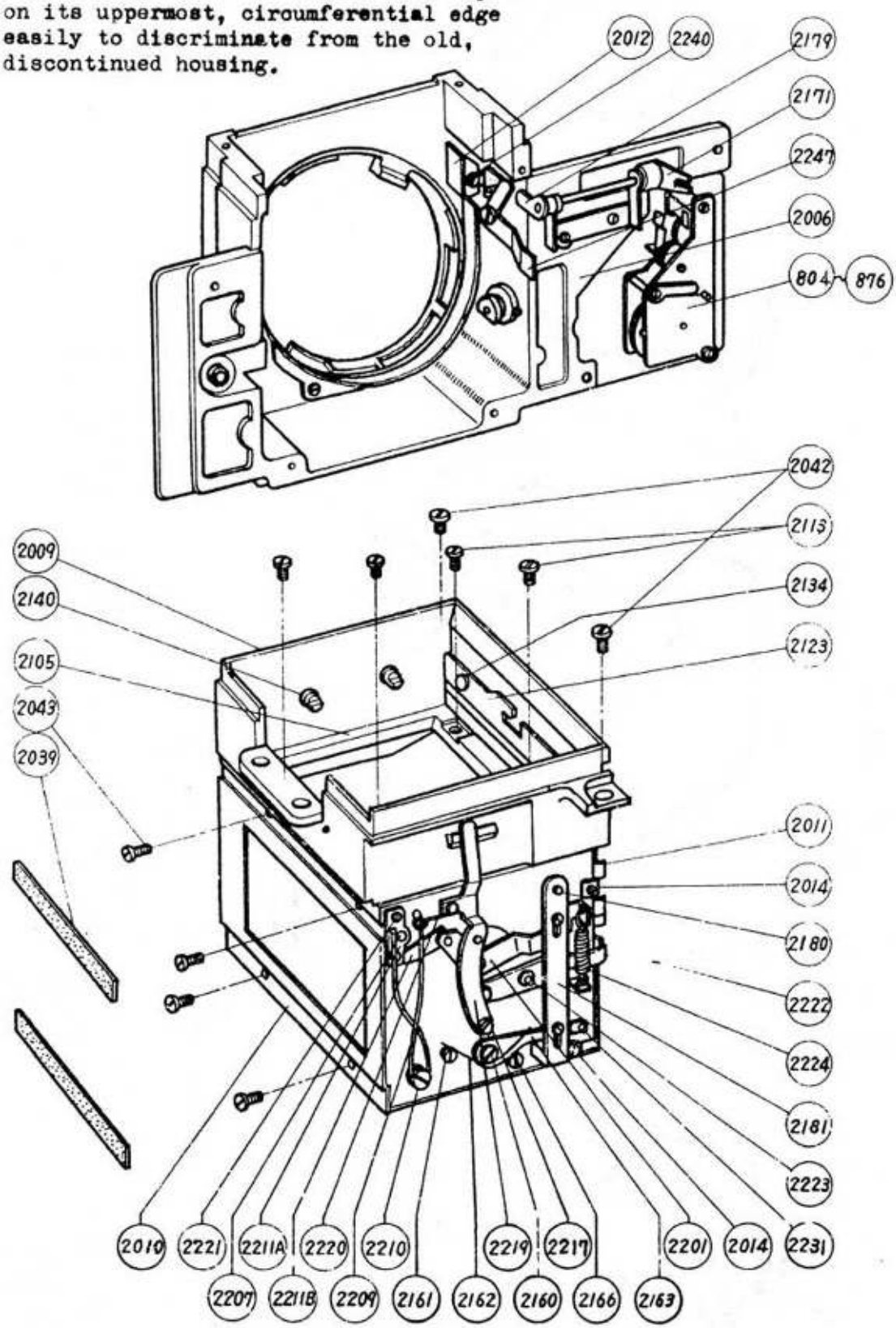


Fig. -7
(New)

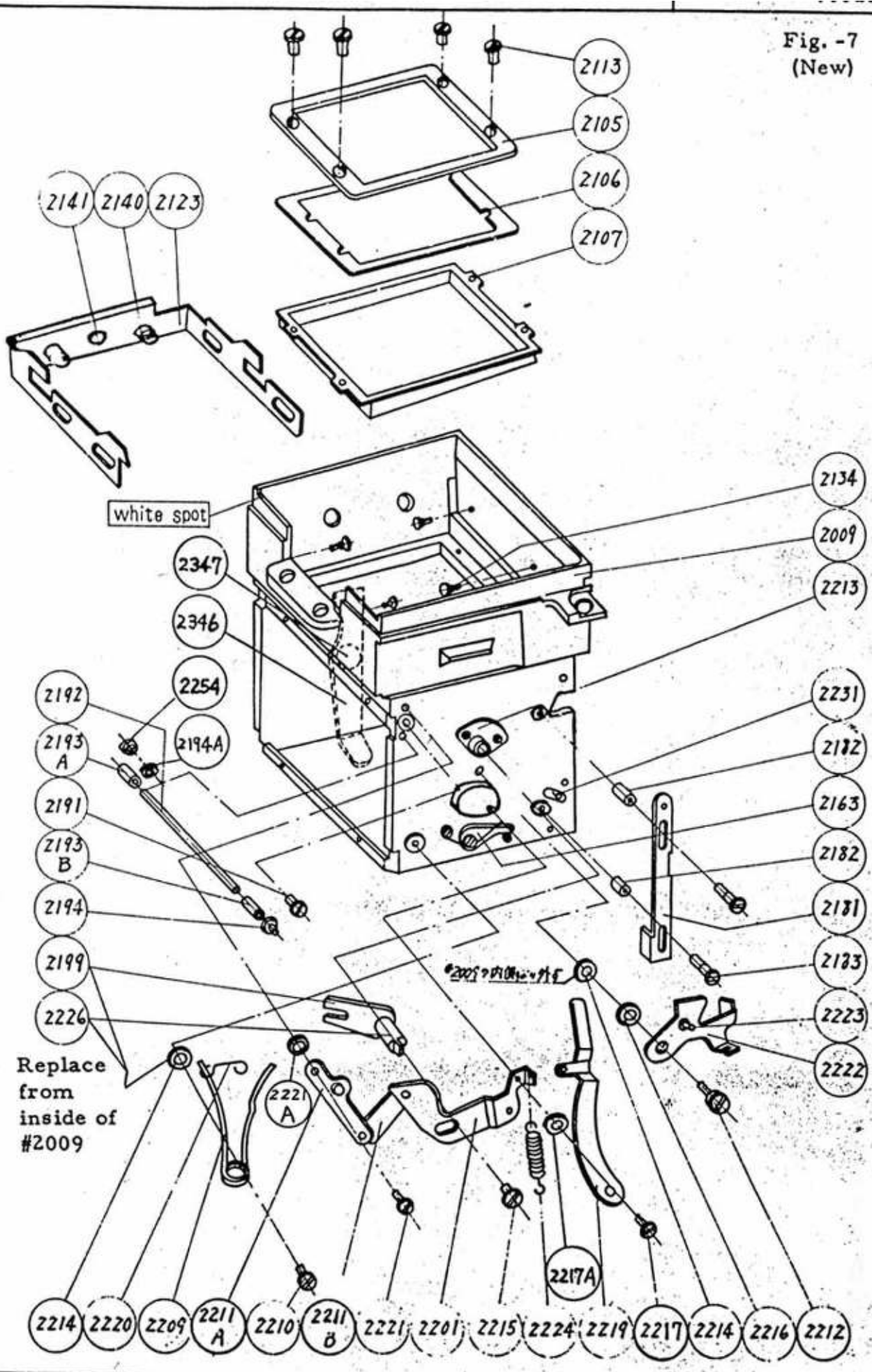
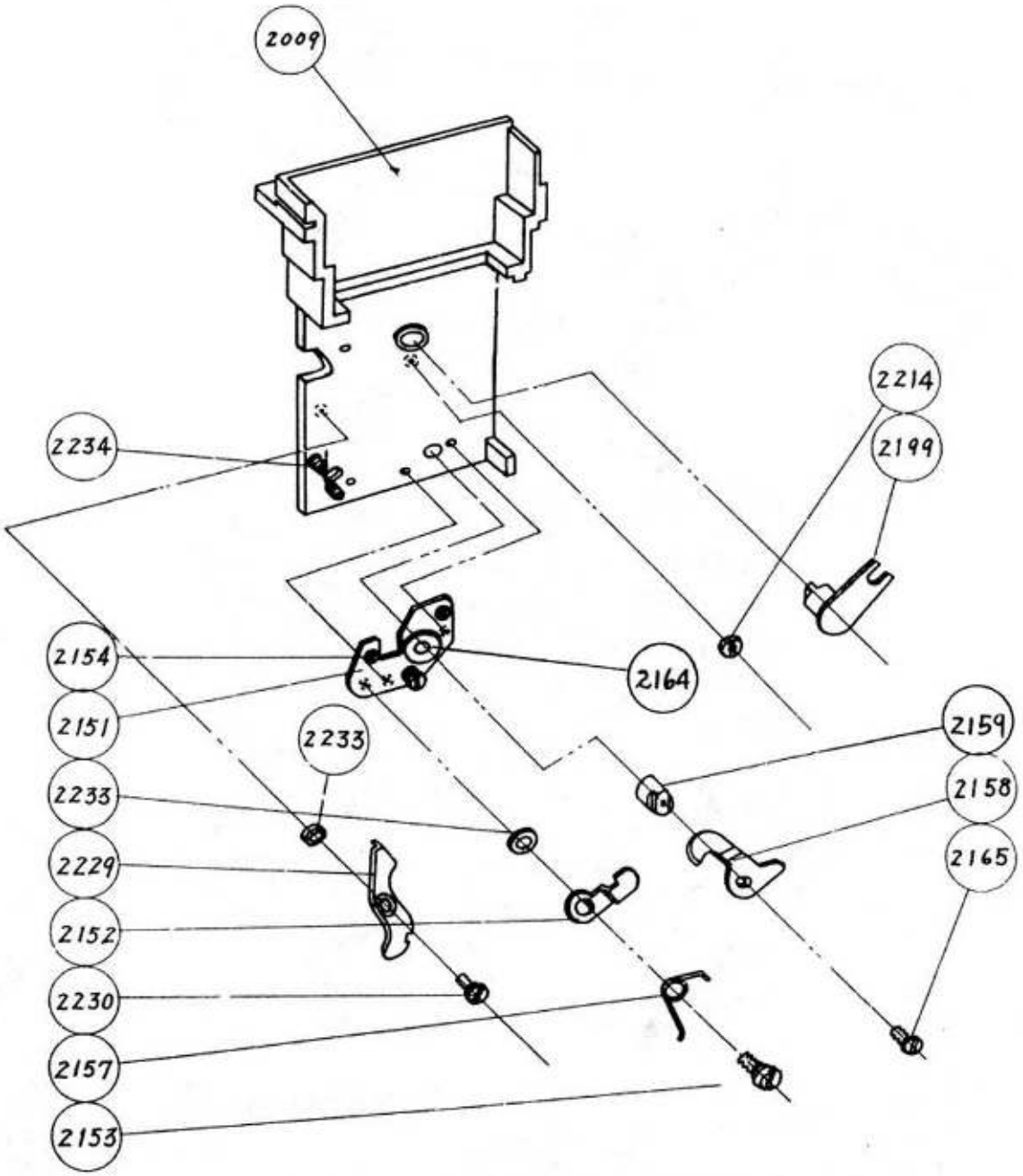

2113
2105
2106
2107
2141
2140
2123
white spot
2134
2009
2213
2347
2346
2254
2192
2193 A
2194A
2191
2193 B
2194
2199
2226
2231
2182
2163
2182
2181
2183
2223
2222
Replace from inside of #2009
2221 A
2217A
2214
2220
2209
2211 A
2210
2211 B
2221
2201
2215
2224
2219
2217
2214
2216
2212

Fig. -8


2009
2214
2199
2234
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2164
2151
2233
2159
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2233
2165
2229
2152
2230
2157
2153

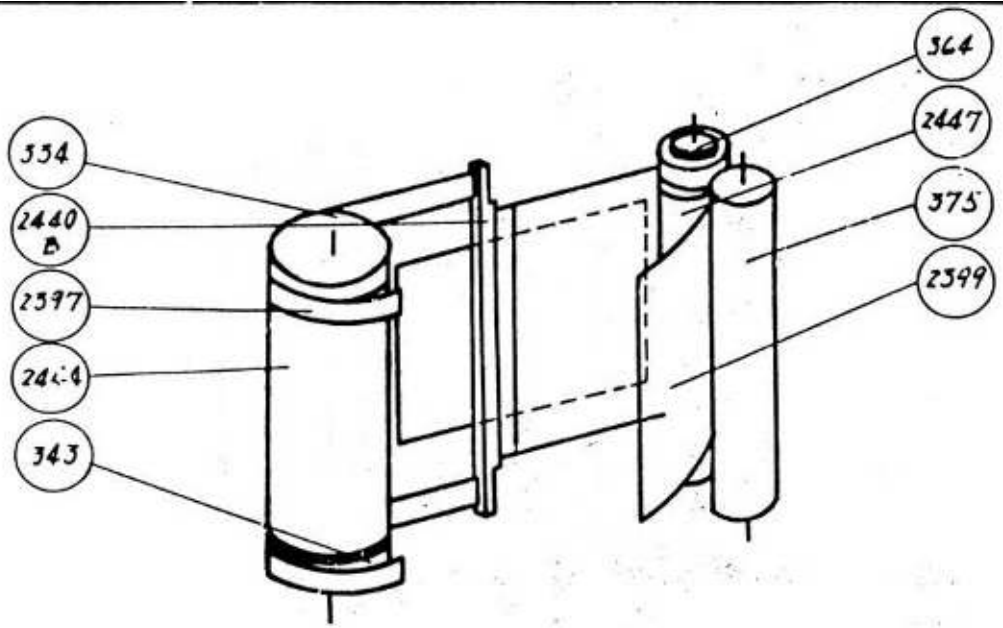


Fig. -9

#334 - Top pulley

#2440B - Front curtain end plate

#2397 - Front ribbon

#2444 - Drum

#343 - Bottom pulley

#364 - Nylon roll

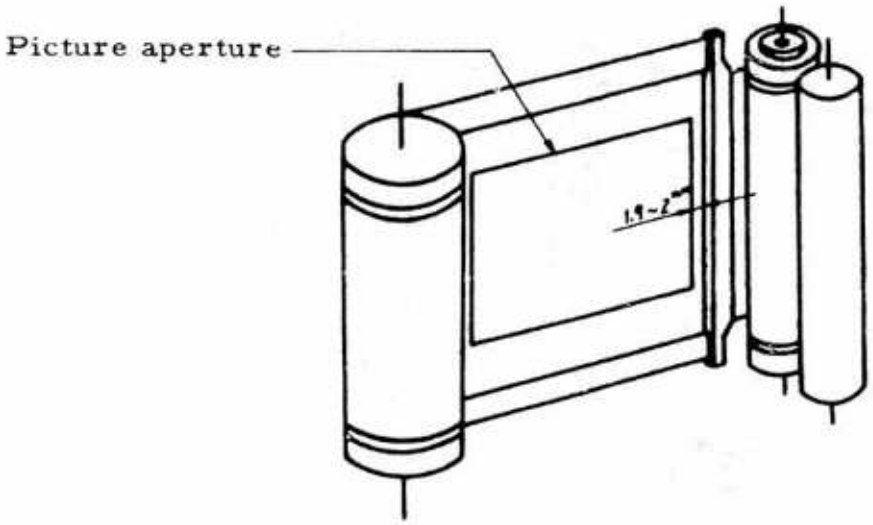
#2447 - Front spring tube

#375 - Rear spring tube

#2399 - Front curtain

For replacement of the front curtain, stick the ribbon on the pulley at first and thereafter stick the curtain on the front spring tube. Correct the position of the front curtain against the curtain end plate, as shown in Fig. 10 and 11 before the paste gets dried.

Fig. -10



Release the shutter (up to the completely relaxed position) and locate the front curtain to its correct position where the curtain end plate is held at 1. 9 mm ~ 2. 0 mm apart from the edge of the picture aperture and stick the other end on the tension spring tube.

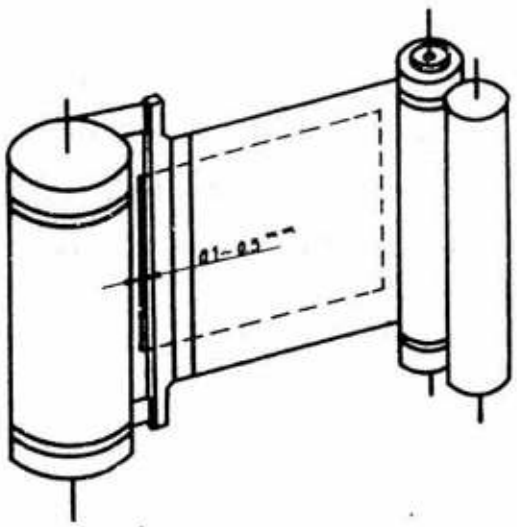
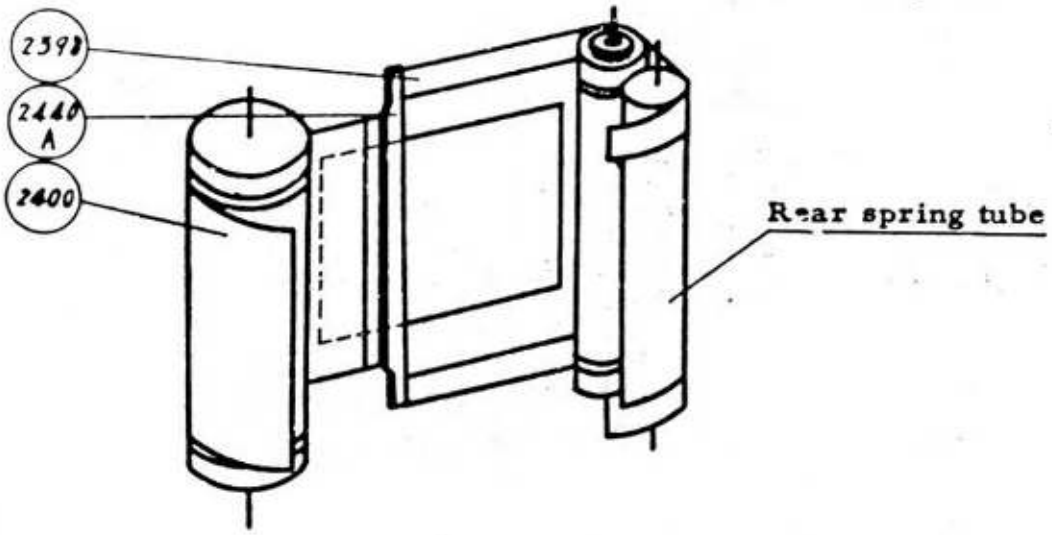


Fig. -11

Before the paste gets dried, the end of the curtain must be brought parallel to the aperture edge.

Wind the front curtain, turning the drum shaft pulley with your finger until the curtain end and aperture edge make a narrow slit (about 0. 1 mm ~ 0. 3 mm) between them. Hold the camera against light and see the slit and adjust it to make the curtain end parallel to the aperture edge.

Fig. -12



For replacement of the rear curtain, stick the ribbon on the rear spring rube at first and thereafter stick the curtain on the drum.

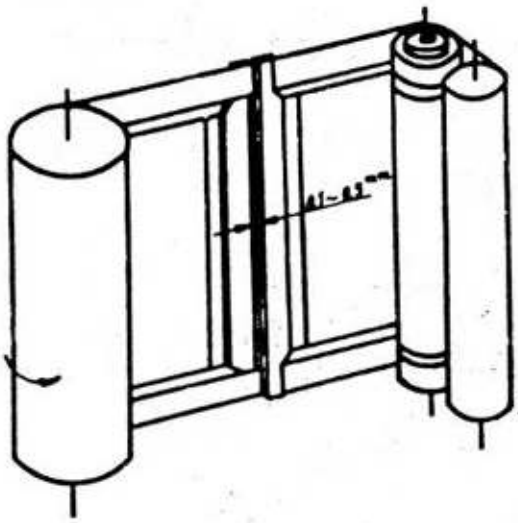


Fig. -13

Make the rear curtain end parallel to the end of the front curtain. Wind the shutter a little and turn the drum by your finger to the arrow's direction then a slit (0. 1 mm ~ 0. 3 mm) appears between both ends of front and rear curtains. Hold the camera against light and adjust the curtain ends to be parallel. Overlap of curtain is to be the same as the width of curtain end plate at the center of the aperture.

Fig. -14

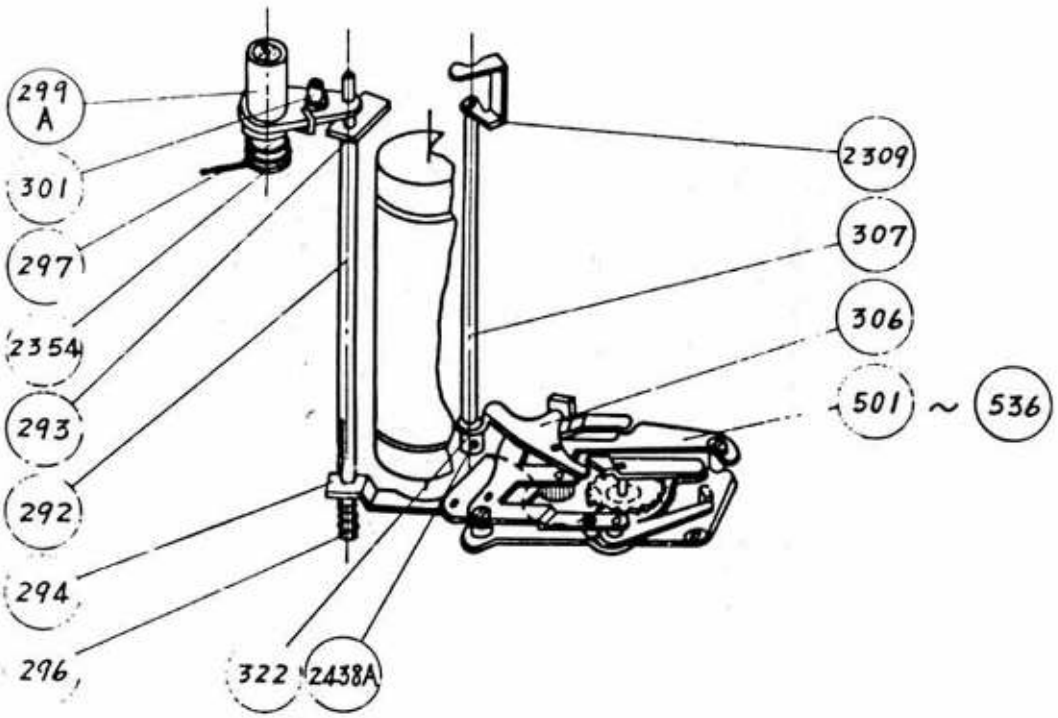

299 A
301
297
2354
293
292
294
296
322
2438A
2309
307
306
501 ~ 536

Fig - 15

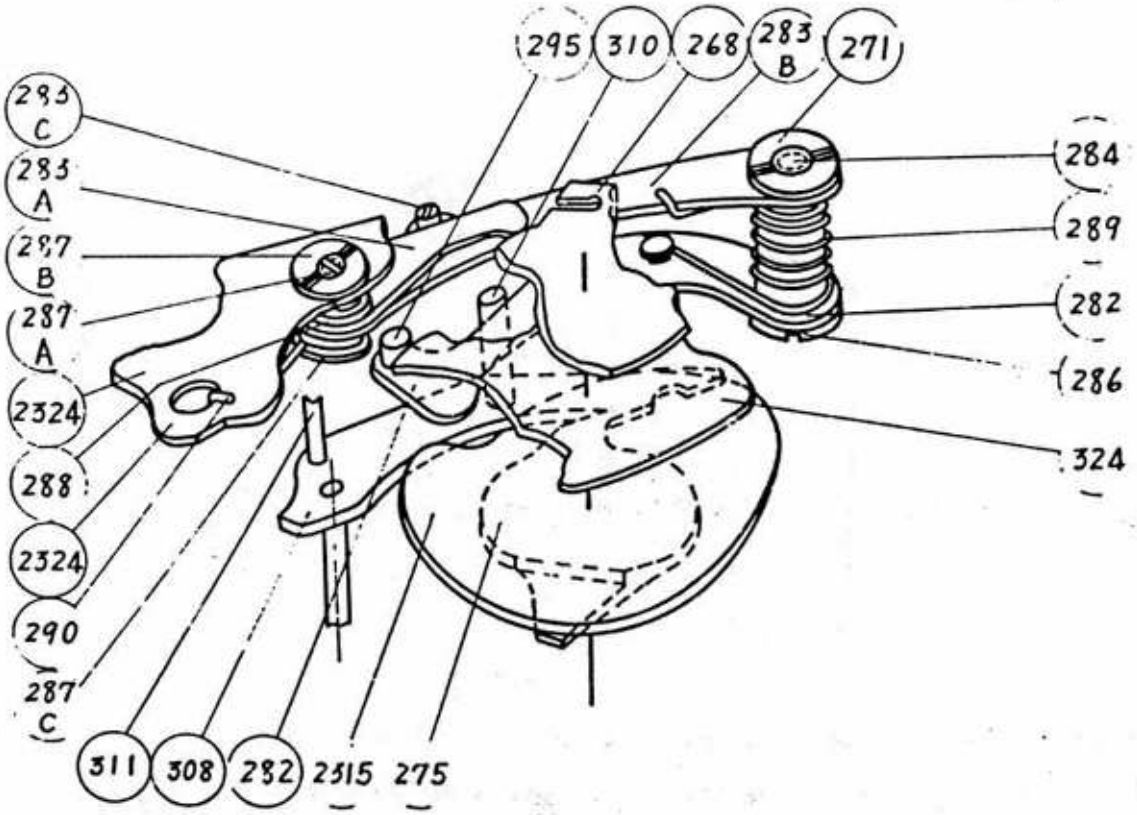

295
310
268
283 B
271
293 C
283 A
287 B
287 A
2324
288
2324
290
287 C
311
308
282
2515
275
284
289
282
286
324

Fig. -16

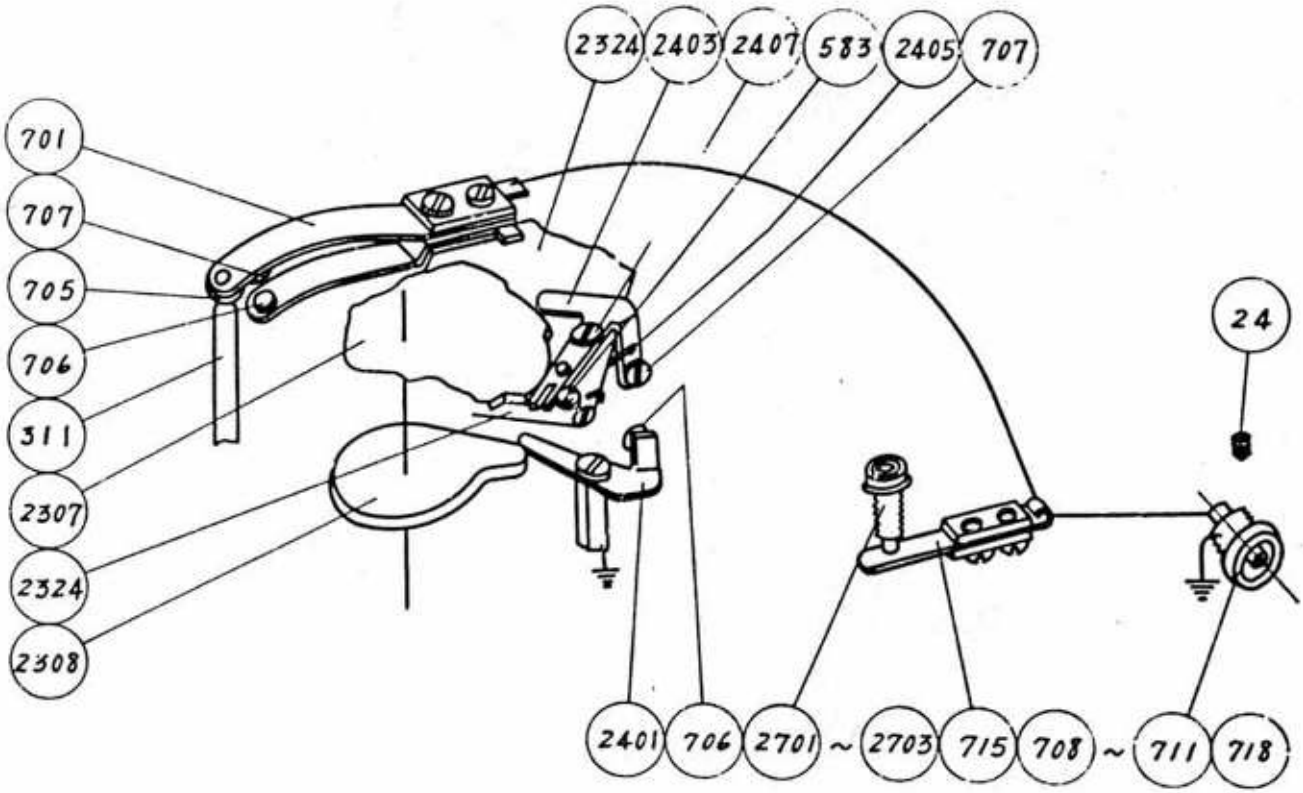

2324
2403
2407
583
2405
707
701
707
705
706
311
2307
2324
2308
24
2401
706
2701 ~ 2703
715
708 ~ 711
718

Fig. -17

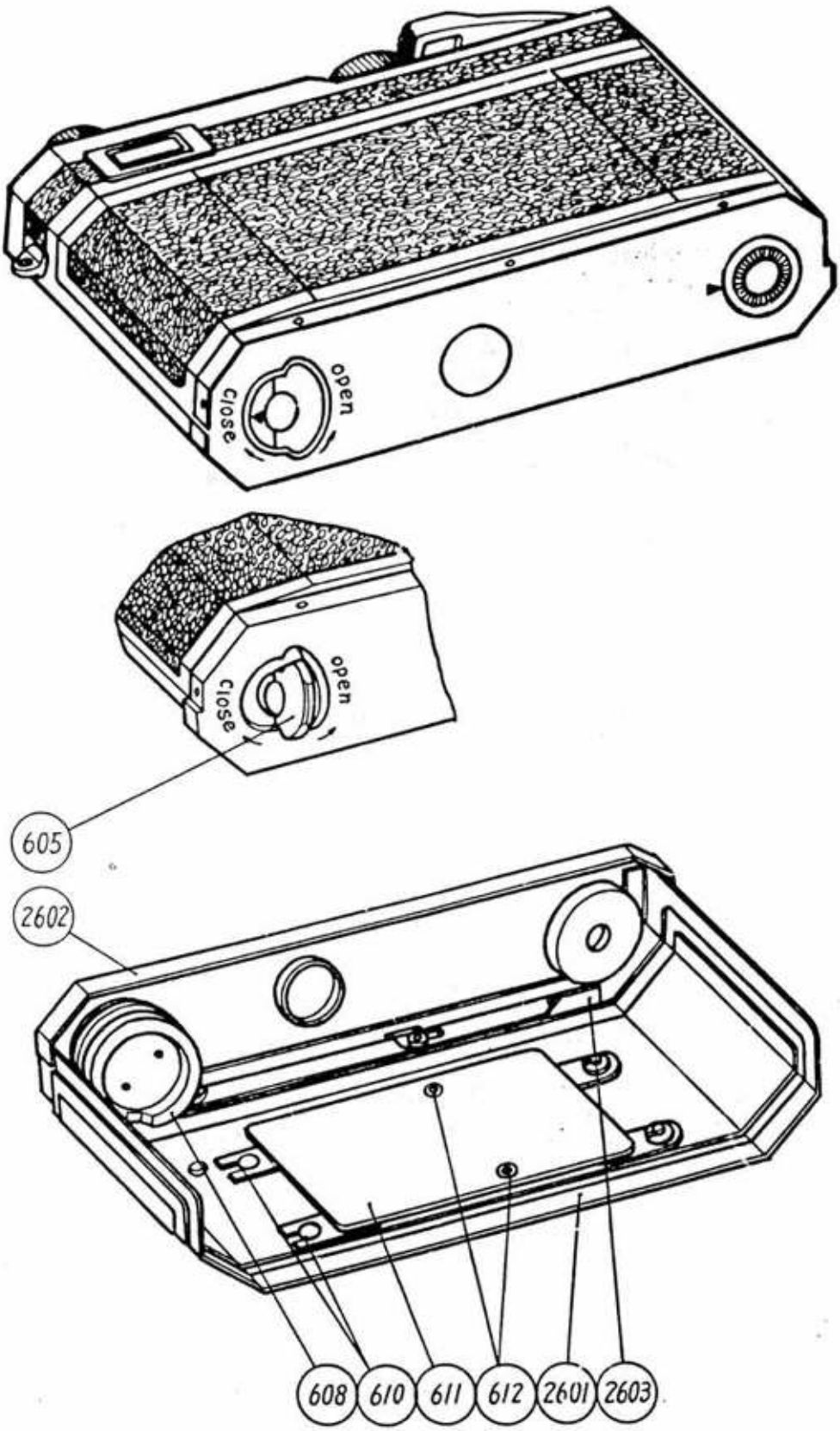
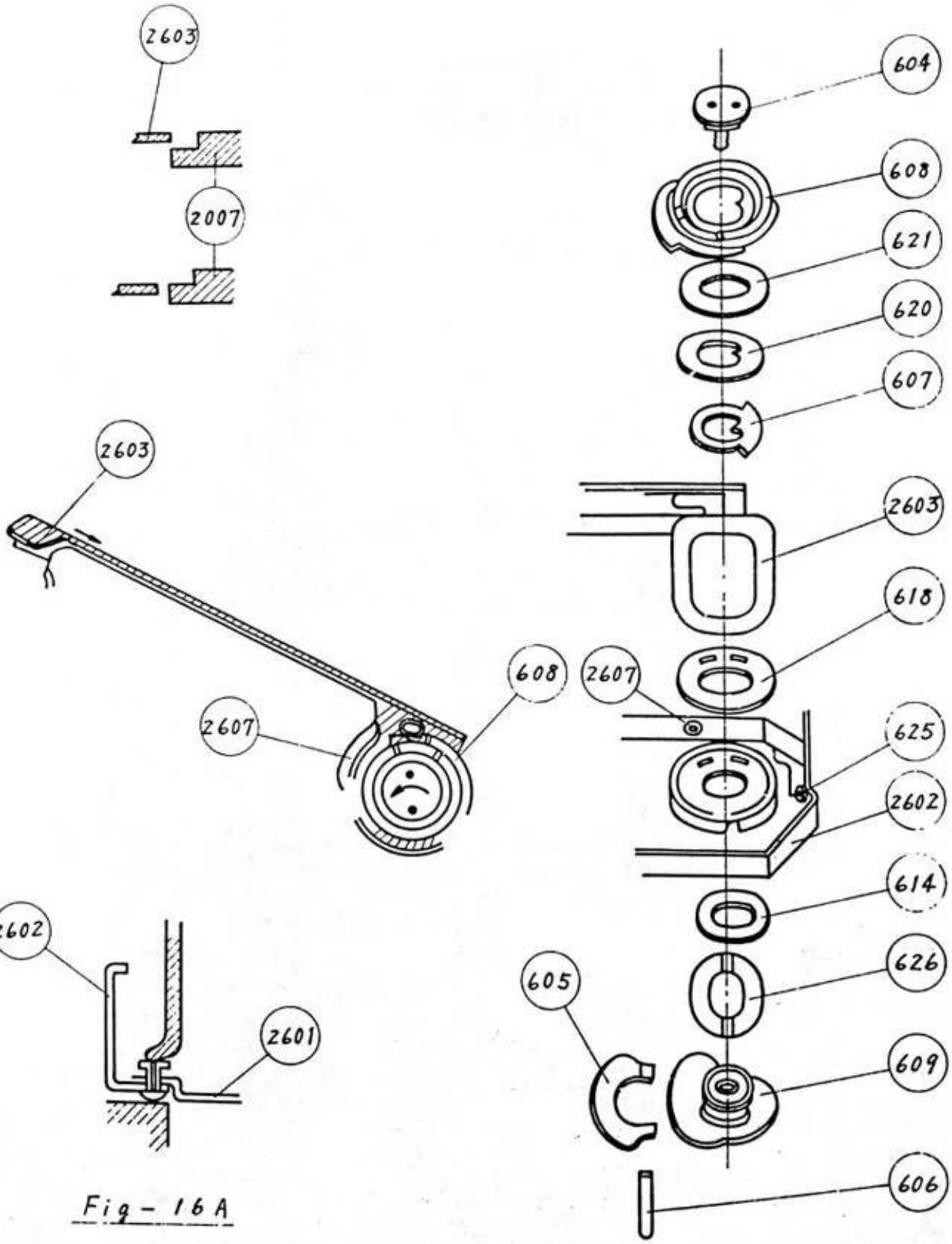


Fig. -18


2603
2007
2603
608
2607
2607
2602
2601
Fig - 16 A
604
608
621
620
607
2603
618
625
2602
614
626
605
609
606

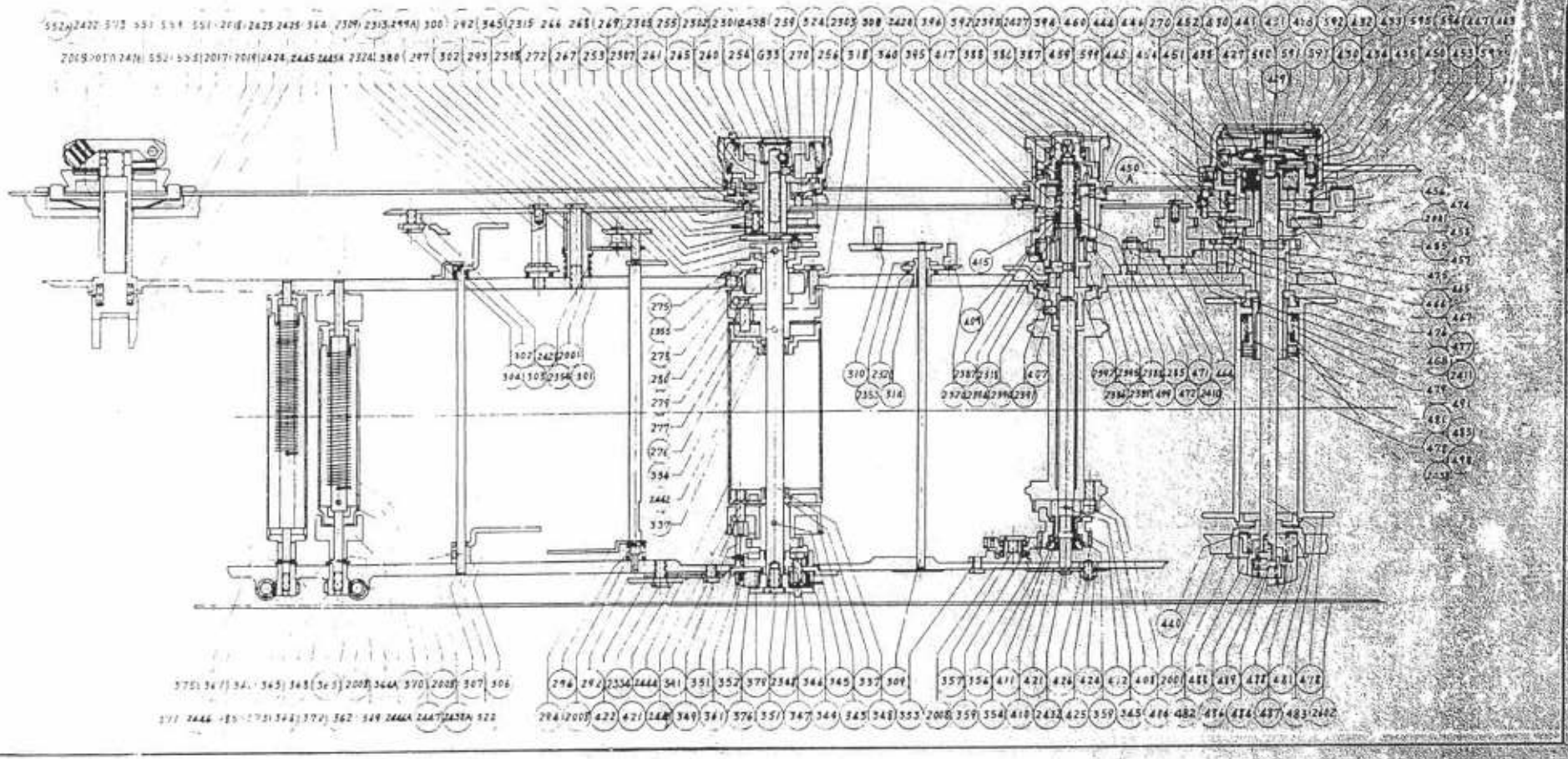
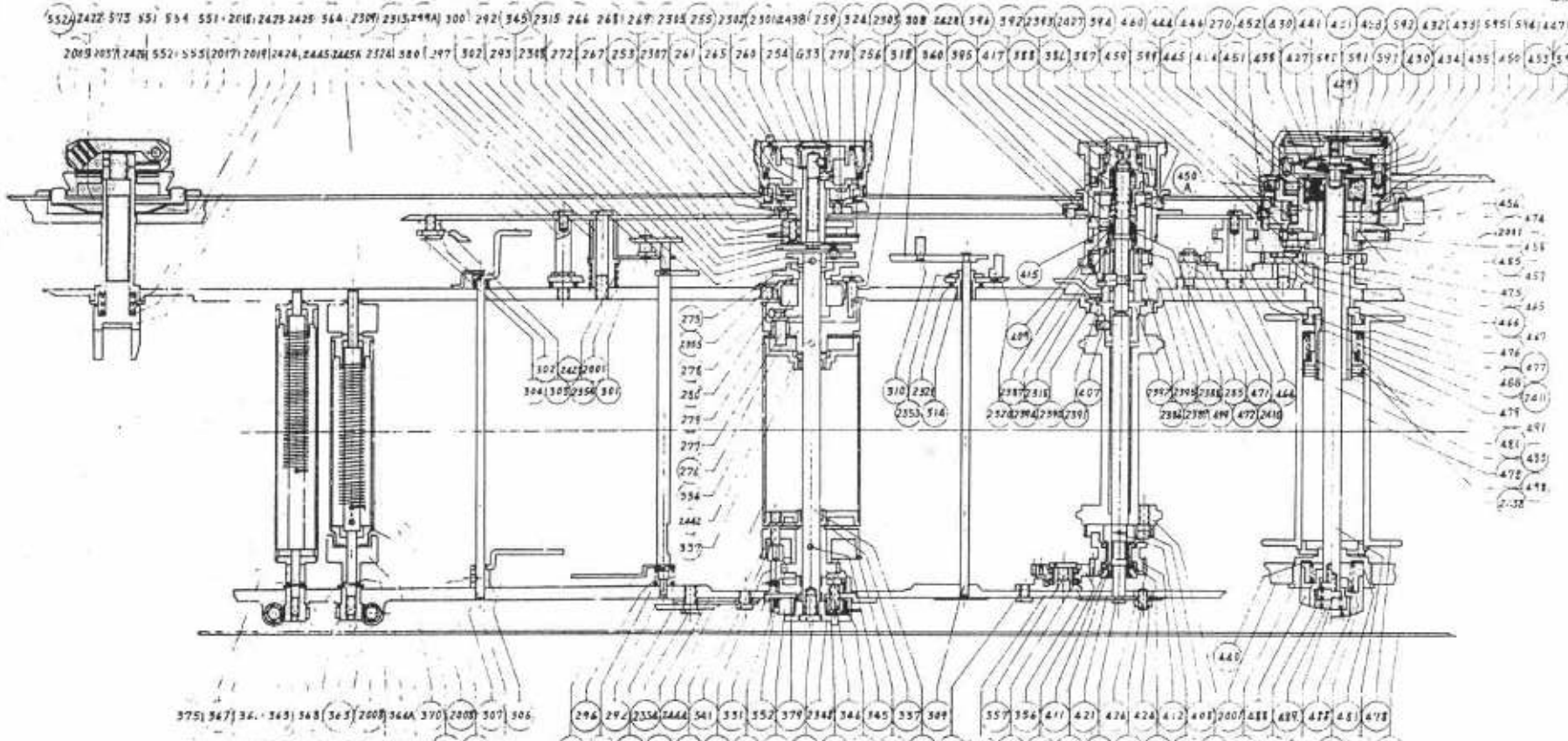
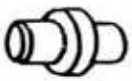
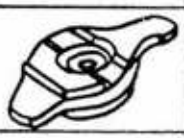


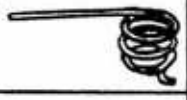
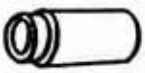
Fig - 19

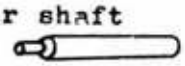
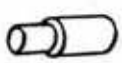
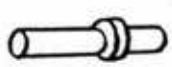


No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-14	Tripod female screw	1	20FB1-A13		○△	
20	Body attaching screw	3		3	○	
22	Bottom cover screw	4		4	○	
23	Eyelet screw	2			○	
24	Terminal set screw	1		15	○	
27	Tripod screw fastening screw	1	A13		○△	
29	Self timer screw	4		1, 5	○	
33	Velveteen ring	1	A13		△	
41	Shutter shaft dust-tight ring	1	A3		△	
45	Counter scale glass	1	A1		△	
46	Synchro scale glass	1	A3	2	△	
47	Shutter dial window	1	B, B3		△	
14A	Tripod female screw (3/8")	(1)	A13		○△	Added

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-253	Shutter winding shaft metal	1	20FB1-B		△	
254	High speed mark	1	B	3	△	
255	Dial spring	1	B	2	△	
256	Dial spring base	1	B	2	△	
257	Striking pin 	1	B		△	
258	Shutter speed scale screw	2	B	2	○△	
259	Shutter click dial	2	B	3	○△	
260	Arrow mark base	1			○	
261	Shutter click spring	1	B		△	
265	Shutter click dial	1	B		△	
266	Slow speed cam	1	B		△	
267	Change-over cam	1	B		△	
268	High speed cam	1	B	14	△	
269	Metal fastening screw	3	F		○△	
270	Synchro push screw	6	A21, B	3	○△	Corrected

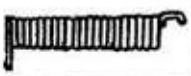
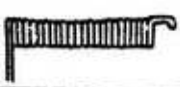
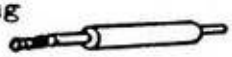
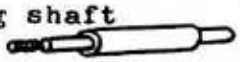
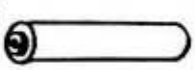
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-271	Striking shaft nut	1	20FB1-E, B1	14	△	
272	Cam fastening screw	3	B		○△	
275	Pawl 	1	A27	14	△	
276	Drum hook	1	A27		△	
277	Drum hook pin	1	A27		△	
278	Base plate	1	A27		△	
279	Ball bearing	1	A27		△	
280	Drum top metal	1	A27		△	
282	Striking lever	1	B, B1	14	△	
283A	High speed cam lever	1	B, B1	14	△	
B	High speed lever	1	B, B1	14	△	
C	High speed eccenter	1	B, B1	3, 14	△	
284	Striking lever shaft	1	B, B1	14	△	
285	Worm C-clip	3	A24, D		○△	
286	Striking lever shaft screw	1	B, B1	14	○△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-287A	High speed lever shaft	1	20FB1-B, B1	2, 3 14	△	
B	High speed lever nut	1	B, B1	2, 3 14	△	
C	High speed lever spring nut	1	B, B1	14	△	
288	High speed lever shaft base	1	B, B1	14	△	
289	Striking lever spring 	1	B, B1	14	○△	
290	High speed lever spring	1	B, B1	14	○△	
291	Striking spring pin	1	B, B1		△	
292	Slow speed shaft	1	A13	14	△	
293	Slow speed top cover	1	A13	14	△	
294	Slow speed bottom cover	1	A18	14	△	
295	Striking stopper stud	1	B, B1	14	△	
296	Slow speed shaft spring	1		14	○	
297	Slow speed shaft	1		3, 5 14	○	
299	Slow speed lever plate	1	A40	3	△	
299A	Slow speed lever 	1	A40	3	△	

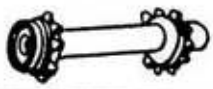
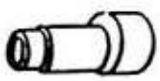
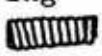
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-300	Slow speed lever shaft screw	1	20FB1-	3	○	
301	Slow speed lever eccenter	1	A40	3, 5 14	△	
302	Slow speed cam lever	1	B		○△	
303	Slow speed cam lever shaft collar	1	B		○△	
304	Slow speed cam lever	1	B		○△	
306	Change-over lever	1	A31	5, 14	△	
307	Change over shaft	1	A31	14	△	
308	Release lever	1	A30	14	△	
309	Release lever shaft 	1	A30		△	
310	Release lever 	1	A30	14	△	
311	Release lever synchro pin 	1	A30	14, 15	△	
312	Release lever spring stopper	1	A30		△	
313	Release lever spring	1		2	○	
314	Release lever shaft metal	1			×	
318	Release button safety lever	1	A26		△	

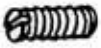
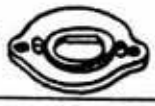
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-322	Change-over bottom lever screw	1	20FB1-	14	△	
323	Release lever spring screw	1		2	○	
324	Striking stopper	1	B	14	△	
326	Key cam base	1	D, D3	4	○△	
329	Intermediate plate set screw	3		3, 4 5	○	
331	Rear curtain brake spring	1	D, D1		○△	
334	Top pulley	1	D, D3	11	△	
335	Top pulley screw	1	D, D3		○△	
337	Drum bush	2	D, D3		△	
338	Drum pin	1	D, D3		△	
341	Brake pin	1	D, D3		△	
342	Brake bush	1	D, D3		△	
343	Bottom pulley	1	D, D3	11	△	
344	Drum bottom gear	1	D, D3		△	
345	Bottom pulley taper pin	3	A32, D, D3		△	

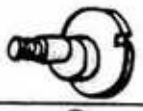
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-346	Drum shaft metal	1	20FB1-D, D1		△	
347	Drum shaft metal screw	3	D	4	○△	
348	Drum shaft	1	D, D3		△	
349	Brake	1	D, D1	4	△	
351	Key cam set screw	1	D, D3	4	○△	
352	Stopper spring	1	D, D1	4	○△	
353	Bottom idle shaft set screw	2	D	4	△	
354	Bottom idle gear	1	D, D6		△	
356	Bottom idle shaft	1	D, D6		△	
357	Bottom idle shaft screw	1	D, D6		○△	
358	Drum top shaft	1	B		△	
359	Steel ball	51	A32, D, D6, F, F1		○△	
360	AB metal set screw	3		2, 3	○	
361	Front curtain ring	1	D, D1	4	△	
362	Tension worm	2	D	4	○△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-363	Tension nut	2	20FB1-D		○△	
364	Nylon roll	1	D	11	○△	
364A	Nylon roll	1	D		○△	
367	Spring collar	2	D		○△	
368	Spring shaft bottom base	2	D		○△	
369	Spring shaft spacer	2	D		○△	
370	Front spring 	1	D, D4		△	
371	Rear spring 	1	D, D5		△	
372	Front spring shaft 	1	D, D4		△	
373	Rear spring shaft 	1	D, D5		△	
375	Rear spring tube 	1	D, D5	11	△	
376	Metal	1	D, D1		△	
377	Spring stopper set screw	1	D	4	○△	
378	Spring stopper	1	D	4	○△	
379	Metal base	1	D, D1	4	△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-380	D-screw	1	20FB1-	3	○	
381	Key spring hook	1	D	4	○△	
385	Base plate base	1	D	4	○△	
386	Release button	1		2	○	
387	Release screw	1	A14	2	△	
388	Release button stopper	1		2	○	
389	AR ring	1		2	○	
392	Release button C-clip	1			○	
394	AR revolving screw	2	A15		○△	
395	Release button stopper screw	2	A15		○△	
396	Release button stopper groove	1	A15		△	

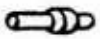
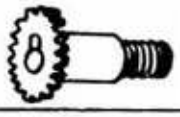
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-404	Sprocket 	1	20FB1-A33		△	
407	Sprocket screw	1			○	
408	Sprocket bottom stud	1	A33		△	
409	Sprocket top base	1			○	
410	Steel ball retainer 	1	A32		△	
411	Steel ball retainer stud	1	A32		△	
412	Release button bottom gear	1	A32		△	
415	Ring	1			○	
417	Release button spring 	1			○	
418	Angle lever	1	D	4	○△	
419	Angle lever spring	1	D	4	○△	
421	Shutter leaf spring	1	A11	4	△	
422	Shutter leaf spring base	1		4	○	
424	Self-timer adjusting nut	1	A11		△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-425	Self-timer adjusting screw 	1	20FB1-A1J	4	○△	
426	Self-timer adjusting lock nut	1	A11		△	
427	Counter spring base	1		3	○	
428	Counter scale ring	1	A1	2	△	
429	Counter scale ring screw	1		3	○	
430	Counter scale	1	A19	3	△	
431	Counter ratchet	1	A19	3	△	
432	Counter spring	1	A19	3	△	
433	Counter bearing 	1	A20	3	△	
434	Return stopper screw	1	A21	3	○△	
435	Counter plate shaft	1	A21	3	△	
435A	Counter shaft bearing	1	A21	3	△	
436	U-screw	4	A1, A14	2	○△	
437	Front brake sub-spring	1		4	○	
438	Counter spring	1		3	○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-440	Washer	2	20FB1-		○	
441	Counter eccentric shaft 	1		3	○	
443	Top cover push ring	1		2	○	
444	Take-up lever	1		2	○	
445	Spring securing ring	1	A21	3	△	
446	Spring secruing US-screw	3	A21		○△	
447	Take-up metal	1	A21	2, 3	△	
448	Take-up top metal screw	3		2, 3	○	
450	Take-up lever flange	1	A21	3	△	
450A	Lever adjusting base	1		2, 3	○	
451	Lever stopper leaf spring	1	A21		○△	
452	Lever stopper leaf spring	1	A21		△	
453	Revolving pin	1	A21		△	
454	Coil spring	1	A21		△	
455	Revolving pin screw	1	A21		○△	

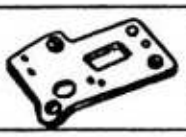
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-456	Ratchet	1	20FB1-A21		△	
457	Ratchet	1	A21		△	
458	Take-up gear	1	A21		△	
459	Ratchet	2	A21		△	
460	Ratchet pawl shaft	2	A21		△	
461	Ratchet pawl spring screw	2	A21		○△	
462	Ratchet pawl spring	2	A21		○△	
464	Top idle first shaft	1	A24		△	
465	Top idle second shaft	1	A24	3	○△	
466	Top second idle second shaft	1	A24		○△	
467	Top second idle base	1	A24		○△	
468	Top idle metal	1	A24		△	
469	Top idle plate screw	2		3	○	
	Reversal top spring	1			○	Abolished
471 or 471A,B	Take-up reversal pawl	1	A24		○△	

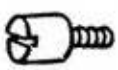
20FB1 - R.0028.A

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-472	Take-up reversal pawl shaft	1	20FB1-A24		△	
473	Take-up reversal pawl set stud 	1	A24		△	
474	Spool gear 	1		3	○	
475	Spool top gear metal	1			○	
476	Spool top nut	1			○	
477	Spool bottom base	1			○	
478	Spool	1			○	
479	Take-up spring	1			○	
480	Take-up fastener	1	A23		△	
481	Spool bearing	1			○	
482	Spool bottom	1			○	
483	Counter scale shaft	1	A22	3	△	
484	Counter scale shaft screw	1			○	
485	Counter scale shaft pin	1	A22		△	
486	Take-up coupling spring	1			○	

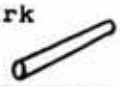
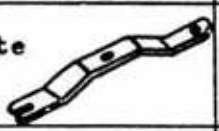
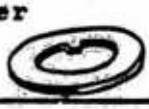
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-487	Counter scale shaft spring	1	20FB1-		○	
488	Take-up coupling	1			○	
489	Take-up coupling cover	1			○	
491	Release button friction adjuster	1	A23		△	
497	Cotton spring	4	A8, A9		△	
498	Spool base	1			○	
499	Release button top base	1			○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-501	Quadrant	1	20FB1-A12	14	△	
502	Quadrant pin	1	A12	14	△	
503	Quadrant shaft	1	A12	14	△	
504	Large lever projection	1	A12	14	△	
505	Large lever shaft	1	A12	14	△	
506	Large lever	1	A12	14	△	
507	Small lever shaft	1	A12	14	△	
508	Small lever	1	A12	14	△	
509	Second wheel	1	A12	14	△	
510	Second shaft	1	A12	14	△	
511	Escapement shaft	1	A12	14	△	
512	Escape wheel	1	A12	14	△	
513	Ankle shaft	1	A12	14	△	
514	Ankle	1	A12	14	△	
515	L-shaped top lever	1	A12	14	△	

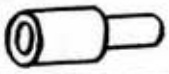
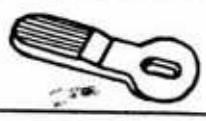
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-516	Threaded rivet	2	20FB1-A12	14	△	
517	L-shaped lever	1	A12	14	△	
518	F-shaped lever	1	A12	14	△	
520	Spring hook pin	5	A12	14	△	
521	Quadrant spring	1	A12	14	△	
522	Small lever spring	1	A12	14	△	
523	Floor plate 	1	A12	14	△	
524	Longer support	1	A12	14	△	
525	Longer support screw	1	A12	14	△	
526	Stopper screw	1	A12	14	△	
527	Spring holder	1	A12	14	△	
528	Escapement spring	1	A12	14	△	
529	L-shaped lever shaft	1	A12	14	△	
530	Shorter support	1	A12	14	△	
531	L-shaped lever spring	1	A12	14	△	

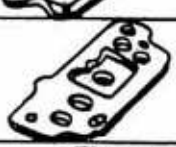
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-532	Large lever spring	1	20FB1-A12	14	△	
533	Ankle base	1	A12	14	△	
534	Shorter support screw	1	A12	14	△	
535	Set screw	1	A12	14	△	
536	Large lever screw	1	A12	14	△	
551	Rewind knob	1	A5	2	△	
552	Rewind lever	1	A5	2	△	
552A	Lever holder	1	A5	2	△	
552B	Holder fastener	1	A5		△	
553	Rewind lever shaft 	1	A5		△	
554	Rewind leaf spring	1	A5		△	
573	Rewind knob set screw	1	A5	2	○ △	
577	Synchro running lever screw	1	A25		○ △	

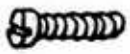
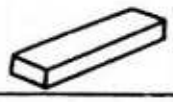
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-578	Rewind plate spring screw	8	20FB1-A5, A21, B		○△	
583	Synchro adjusting pin	1	B	15	△	
586	Contact	1	B, B2		△	
587	Insulating collar	1	B, B2		△	
588	Insulating bakelite	1	B, B2		△	
589	Lug plate	1	B, B2		△	
590	Counter bearing shaft	1	A20	3	△	
591	Counter plate	1	A2	2	△	
592	Counter knob	1	A2		△	
594	Flange base	1	A21		△	
595	Lever adjusting spacer	1		2	○	
595A	Lever adjusting spacer	1			○	
598	Bottom flange base	1	A21		△	
599	Take-up lever screw	3		2	○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-604	Bottom piece	1	20FB1-F, F1	17	○△	
605	Open-close pawl	1	F, F1	16, 17	△	
606	Bottom arrow mark set pin 	1	F, F1	17	△	
607	Open-close cam	1	F, F1	17	△	
608	Cassette bearing	1	F, F1	16, 17	○△	
609	Bottom arrow mark	1	F, F1	17	△	
610	Pressure plate spring 	2	F, F2	16	△	
611	Pressure plate	1	F, F2	16	△	
612	Pressure plate	2	F, F2	16	△	
613	Pressure plate C-clip	2	F		○△	
614	Open-close spring base	1	F, F1	17	△	
615	Pressure plate C-clip rivet	2	F, F1		△	
617	Pressure plate spring rivet	2	F, F1		△	
618	Open-close lever bottom base	1	F, F1	17	△	
620	Open-close lever top base 	1	F, F1	17	△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-621	Adjusting spacer	1	20FB1-F, F1	17	△	
625	Camera back nut	2	F, F1	17	△	
626	Open-close spring	1	F, F1	17	△	
628	Counter scale plate base	1	F, F1		△	
628A	ASA name plate	1	F, F1		△	
628B	ASA scale	1	F, F1		△	
630	ASA scale spring	1	F, F1		△	
632	ASA scale fastener	1	F, F1		△	
634	ASA scale fastener screw	1	F, F1		○△	
700	Safety sub-spring	1	A17	3	△	
701	Safety spring	1	A17	3, 15	△	
702	Safety insulating plate	5	A17, A36	3	△	
703	Safety collar	4	A17, A36	3	△	

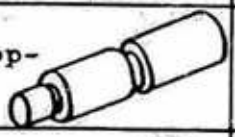
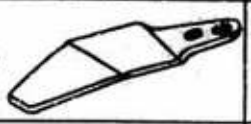
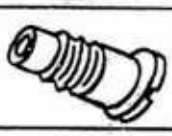
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-704	Safety screw	4	20FB1-A17, A36	3	○△	
705	Safety insulating stud	1	A17	3, 15	△	
706	Oval contact	2	A17, A25	3, 15	△	
707	Desk-shaped contact	2	A17, B, B2	15	△	
708	Terminal	1	A34	15	△	
709	Plug inner core 	1	A34	15	△	
710	Plug outer core	1	A34	15	△	
711	Terminal spring	1	A34	15	△	
715	Shoe contact plate	1	A36	15	△	
716	Vinyl cord	1	B, B2		△	
718	Insulating collar	1	A34	15	△	
801	Self-timer lever 	1		1, 5	○	
803	Self-timer screw	1		1, 6 8	○	
804 - 876	Self-timer	1	A7	6, 8	○△	

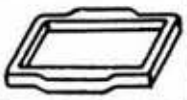
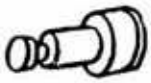
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2001	Camera body	1	20FB1-	2, 4	×	
2002	Apron	1		1	○	
2003A	Left top cover	1	A3	2	△	
2003B	Right top cover	1	A4	2	△	
2003C	Supplementary piece for top cover	2	A3, A4		△	
2005	Rewind base	1	A36	2	△	
2006	Front plate	1	E	1, 5 8	△	
2007	Bottom cover	1	A13	4, 17	△	
2008	Bottom plate 	1	D	4	△	
2009	Mirror housing	1	C	6, 7 8, 9 10	△	
2010	Main baffle plate	1	C, C1	6, 8	△	
2011	Front baffle plate	1	C	6, 8	○△	
2012	Side baffle plate	1	E	6, 8	○△	
2014	Baffle plate screw	4	C	6, 8	○△	
2016	Eyelet	2			○	

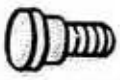
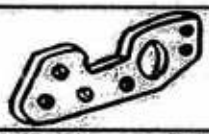
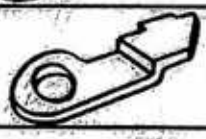
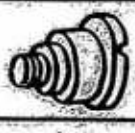
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2017	Shoe	1	20FP1-	2	○	
2018	Shoe base	1		3	○	
2019	Shoe spring	1		3	○	
2020	Shoe screw	4		2	○	
2021	Apron screw	2		1	○	
2022	Top cover base	2	A3, A4		△	
2023	Front plate long screw 	1		1, 5	○	
2024	Baffle cloth	1	C		○△	
2025	Wool string	1			○	
2027	Shock-proof sponge 	1	C		○△	
2029d	Imitation leather	1		5	○	Corrected See P. 43
2031	Show spring adjusting plate	2			○	
2033	Name plate	1		1	○	
2034	Adjusting plate	1		1	○	
2035	Name plate nut	1		1	○	

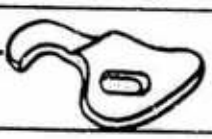
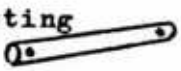
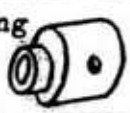
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2036	Name plate set screw	2	20FB1-	1	○	
2037	Shoe cover	1		2	○	
2038	Apron set screw	2		1	○	
2039	Velveteen	2	C, C1	6, 8	△	
2040	Bottom plate R-screw	5		5	○	
2041	Apron screw	2		2	○	
2042	Rewind base screw	5		2, 3 5, 6 8	○	
2043	Flat head screw	8	C	2, 6 8	○△	
2044	Shutter spring screw	5			○	
2045	Light-tight sponge	1			○	
2046	Light-tight sponge	1			○	
2029a	Imitation leather	1	F, F1		○△	Added
2029b	Imitation leather	1			○	"
2029c	Imitation leather	1			○	"
2029d	Sponge plate	1		5	○	Corrected

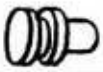
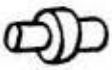
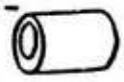
20FB1 - R.0028.A

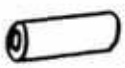
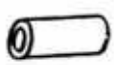
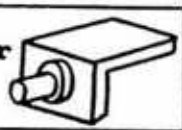
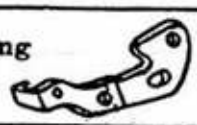
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2051	Thrust surface	1	20FB1-E		○△	
2052	Spring screw	6	E		○△	
2053	Rotation stopper pin 	1	E		○△	
2054	Lens lock button coupling plate	1	E		○△	
2055	Lens lock button	1	E		○△	
2056	Leaf spring 	3	E		○△	
2057	Lens lock button front shaft	1	E		○△	
2058	Lens lock button spring	1	E		○△	
2060	Lens lock button cover	1	E		○△	
2061	Lens lock button bolt 	1	E		○△	
2062	Lens lock button nut	1	E		○△	
2063	Rotation stopper pin C-clip	1	E		○△	
2064	Thrust ring fastening nut	4	E	1	○△	

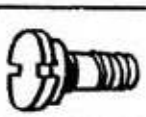
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2103	Focusing screen frame	1	20FB1-		○	
2104	Focusing screen clip	2			○	
2104A	Focusing screen clip	2			○	
2105	Finder frame	1	C	6, 7 8, 9	○△	
2106	Adjusting base	2	C	7, 9	○△	
2107	Light-tight frame 	1	C	7, 9	○△	
2112B	Focusing screen fastening screw	4			○	
2113	Frame attaching screw	4	C	6, 7 8, 9	○△	
2123	Prism frame holder lever	1	C, C2	5, 6 7, 8 9	△	
2124	Holder lever hook	1			○	
2125	Coupler	1	A39	5	△	
2126	Pin	1	A39		△	
2127	Holder lever hook button 	1	A33		△	
2128	C-clip	1	A33		○△	
2129	Hook button frame	1	A33		△	

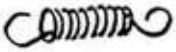
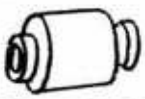
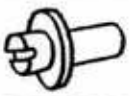
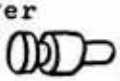
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2130	Holder lever shaft	1	20FB1-A37		△	
2131	Holder lever spring	1	A37		△	
2132	Holder lever base	1			○	
2133	Coupler attaching screw	2		5	○	
2134	Holder lever lead screw 	4	C	6, 7 8, 9	○△	
2139	Focusing screen frame securing plate	1	C, C2		△	
2140	Cover for above	2	C, C2	7, 8 9	△	
2141	Caulking rivet for above	1	C, C2	7, 9	△	
2151	Shock-proof plate 	1	C, C8	10	△	
2152	Shock-proof lever 	1	C, C8	10	△	
2153	Shock-proof lever screw 	1	C, C8	10	○△	
2154	Mirror holder lever adjusting screw	2	C, C8	10	△	
2156	Shock-proof spring hook screw	1	C, C8		○△	

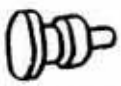
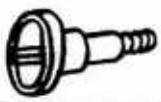
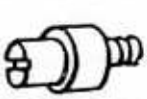
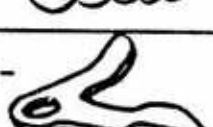
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2157	Shock-proof spring	1	20FB1-C, C8	10	○△	
2158	Mirror holder lever 	1	C, C8	10	△	
2159	Mirror holder lever shaft	1	C, C8	10	△	
2160	Mirror holder release lever screw	1	C	7, 8	○△	
2161	Spring hook screw	1		7, 8	○	
2162	Mirror release lever spring	1	C	6, 8	○△	
2163	Mirror holder release lever	1	C	6, 7 8, 9	○△	
2164	Mirror holder lever base	1	C, C8	10	△	
2165	Mirror holder lever screw	1	C, C8	10	○△	
2166	Shock-proof plate screw	1	C	8	○△	
2167	Mirror connecting shaft 	1	E, E1		△	
2168	Mirror connecting shaft bearing	1	E, E1	6	△	
2170	Mirror connecting righthand lever bearing	1	E, E1		△	
2170A	Mirror connecting lefthand lever bearing 	1	E, E1		△	
2171	Mirror connecting lefthand lever	1	E, E1	6, 8	△	

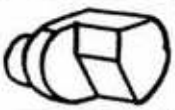
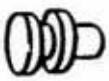
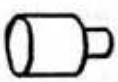
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2172	Mirror connecting lefthand pin	1	20FB1-A35		△	
2173	Mirror connecting adjuster	1	A35		△	
2173A	Mirror connecting adjuster pin	1	A35		△	
2173B	Screw for above	1	A35		○△	
2174	Self-timer lever pin 	1	A35		△	
2175	Self-timer lever	1	A35		△	
2176	Self-timer lever screw	2			○	
2177	Self-timer lever pin 	1	A35		△	
2179	Mirror connecting righthand lever	1	E, E1	6, 8	△	
2180	Mirror connecting righthand pin	1	C, C9	6, 8	△	
2181	Mirror connecting vertical lever	1	C, C9	6, 7 8, 9	△	
2182	Mirror connecting vertical lever bearing 	2	C	7, 9	○△	
2183	Mirror connecting vertical lever screw	2	C	7, 9	○△	
2184	Mirror plate	1	C, C3		△	
2185	Top mirror fastening plate	1	C, C3		△	

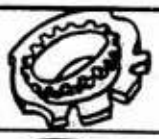
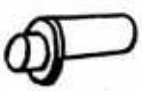
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2186	Rivet	4	20FB1-C, C3		△	
2187	Lefthand mirror fastener	1	C		○△	
2188	Righthand mirror fastener	1	C		○△	
2189	Mirror fastener screw	2	C		○△	
2191	Mirror shaft fastening screw	2	C	9	○△	
2192	Mirror shaft	1	C	7	△	
2193A	Mirror plate pipe 	1	C	7, 9	△	
2193B	Mirror plate pipe 	1	C	7, 9	△	
2194	Mirror shaft bearing	1	C	9	△	
2194A	Mirror shaft bearing washer	1	C	9	○△	
2196	Mirror fastening plate rivet	2	C, C3		△	
2198	Striking mirror pin plate 	1	C, C3		△	
2199	Mirror fork lever	1	C, C6	7, 9 10	△	
2200	Vertical lever pin	1	C, C7		△	
2201	Mirror driving lever 	1	C, C5	6, 7 8, 9	△	

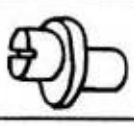
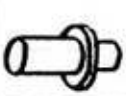
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2205	Aperture lever push pin	1	20FB1-C, C5		△	
2207	Large spring hook pin	1	C, C5	8	△	
2209	Large spring	1	C	6, 7 8, 9	○△	
2210	Large spring shaft	1	C	6, 7 8, 9	○△	
2211	Connecting rivet	2	C, C5		△	
2211A	T-shaped plate	1	C, C5	8, 9	△	
2211B	Connecting plate	1	C, C5	8, 9	△	
2212	Aperture lever shaft	1	C	8, 9	○△	
2213	Mirror driving lever metal	1	C	9	△	
2214	Nut	2	C	7, 9 10	○△	
2215	Aperture lever screw	1	C	7, 9	○△	
2216	Aperture lever washer	1	C	7, 9	○△	
2217	Metal set screw 	1	C	8, 9	△	
2217A	Washer	1	C	9	○△	
2218	Mirror holder pin plate	1	C, C3		△	

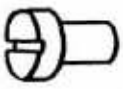
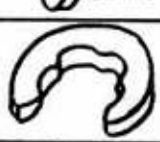
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2219	Vertical lever	1	20FB1-C, C7	6, 7 8, 9	△	
2220	S-shaped ring	1	C	7, 8 9	○△	
2221	T-shaped plate screw	1	C	8, 9	○△	
2221A	Washer for above	1	C		○△	
2222	Aperture coupling lever	1	C, C4	6, 7 8, 9	△	
2223	Aperture coupling pin	1	C, C4	6, 8 9	△	
2224	Aperture lever spring 	1	C	6, 7 8, 9	○△	
2226	Mirror fork lever shaft 	1	C, C6	9	△	
2227	Mirror lock knob spring set screw	1	E		○△	
2229	Mirror lock lever	1	C, C10	10	△	
2230	Mirror lock lever shaft	1	C	10	○△	
2231	Mirror lock eccenter 	1	C, C10	6, 7 8	△	
2232	Mirror lock lever spring hook 	1	C		△	
2233	Washer	6	C, C8	10	○△	
2234	Lock lever spring	1	C	10	○△	

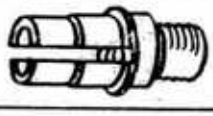
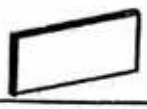
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2235	Lock lever spring stud 	1	20FB1-C		△	
2236	Mirror lock knob 	1	E		○△	
2237	Mirror lock knob spring	1	E		○△	
2238	Mirror lock pawl	1	E		○△	
2239	Lock knob spring	1	E		○△	
2240	Lock knob spring screw	6	E	6, 8	○△	
2241	Taper pin	3	E, E1		○△	
2242	Manual aperture button	1	E		○△	
2243	Aperture button coupling pin 	1	E		○△	
2244	Aperture button screw	1	E		○△	Corrected
2245	Manual aperture spring	1	E	6, 8	○△	Corrected
2247	Manual aperture lever 	1	E		○△	
2248	Manual aperture lever pivot	1	E		○△	
2249	Manual aperture washer	1	E		○△	
2250	Self-timer lever spring	1		5	○	

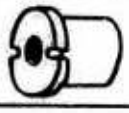
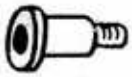
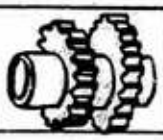
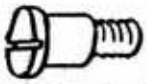
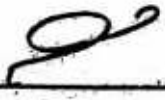
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2251	Self-timer lever spring hook	1	20FB1-		○	
2252a	Self-timer lever collar a	1	C, C3		△	
2252b	Self-timer lever collar b	1	C, C7		△	
2253	Mirror plate rivet	1	C, C3		△	
2254	Mirror bearing metal	1	C		△	
2256	Mirror holding lever pin 	1	C, C5		△	
2257	S-shaped spring rivet 	1	C, C7		△	
2301	Shutter speed dial	1	B, P3	2	△	
2302	Coupling pin 	1	B, B3		△	
2303	Milled ring	1	B	2	○△	
2304	Synchro indicator screw	2		5	○	
2305	Synchro cam stopper	1	P		△	
2306	Synchro indicator	1		5	○	

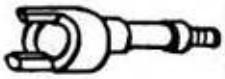
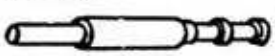
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2307	Synchro cam 	1	20FB1-B	15	△	
2308	Synchro running cam	1	D, D3	15	△	
2309	Change-over lever	1	A31	3, 14	△	
2310	Releasing lever stopper	1			○	
2311	Change-over lever spring	1	A31		○△	
2312	Time stopper	1			○	
2313	Middle plate support	1	A29	3	△	
2314	Synchro click spring	1	B		△	
2315	Stroking cam	1	B	14	△	
2318	Release button safety lever	1	A26		△	
2320	Safety lever release pin 	1	A26		△	
2321	Safety lever spring	1			○	
2322	Release lever stopper screw	2			○	
2323	Intermediate lever base	1			○	
2324	Middle plate	1	P	3, 14 15	△	

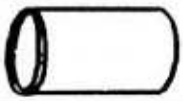
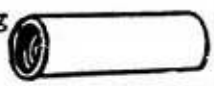
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2325	Mirror side angle lever	1	20FB1-	4	○	
2326	Angle lever spring	1		4	○	
2327	Angle lever base	1	D	4	○△	
2328	Angle lever collar	1			○	
2329	Angle lever screw	1		4	○	
2330	Angle lever base hooking screw	1	D	4	○△	
2331	Angle lever base screw	1	D	4	○△	
2332	Intermediate lever	1	A10	4	△	
2333	Intermediate lever screw 	1	A10		△	
2334	Intermediate lever main shaft	3	D	4	○△	
2335	Intermediate lever stopper screw	1	D		○△	
2336	Intermediate lever stopper collar	1	D		○△	
2338	Intermediate lever pin 	1	A10	4	△	
2339	Intermediate lever spring	1		4	○	
2340	Intermediate lever spring hook	1	D	4	○△	

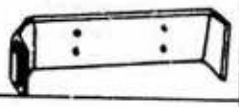
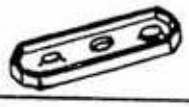
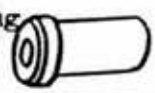
No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2341	Mirror coupling lever	1	20FB1-D, D2		△	
2342	Mirror coupling lever screw	1	D	4	○△	
2343	Washer for above	1	D		○△	
2344	Mirror coupling lever pin	1	D, D2		△	
2345	Mirror coupling lever stopper pin 	1	C		△	
2346	Mirror coupling lever	1	C		○△	
2347	Mirror coupling lever pin	1	C		○△	
2348	Angle cam	1	D, D3	4	○△	
2350	Brake metal screw	2	D	4	○△	
2352	Middle plate attaching screw	1		3	○	
2353	C-clip 	1			○	
2354	Slow speed lever spring	1		3, 4 14	○	
2356	Brake metal screw	1	D		○△	
2386	Sprocket top projection	1			○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2387	AR flange	1	20FB1-A15		△	
2388	Release button top gear base	1			○	
2389	Sprocket top gear	1			○	
2390	Release button stopper	1	A16		△	
2391	Sprocket top metal	1			○	
2392	Sprocket bearing 	1	A33		△	
2393	Release button top shaft	1	A16		△	
2394	Release button bottom spring	1			○	
2395	Large lever cam	1			○	
2396	Washer	1			○	
2397	Front ribbon	2	A8	11	△	
2398	Rear ribbon	2	A9	13	△	
2399	Front curtain 	1	A8	11	△	
2400	Rear curtain	1	A9	13	△	
2401	Synchro. running lever	1	A25	3, 15	△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2402	Synchro lever spring	1	20FB1-		○	
2403	Synchro cam lever	1	B, B2	15	△	
2404	Synchro lever spring hook 	1	B, B2		△	
2405	Synchro cam lever spring	1	B, B2	15	△	
2406	Synchro running lever pivot 	1	A25		△	
2407	Synchro cam lever pivot	1	B	15	○△	
2409	Top idle plate screw	3	E	6	○△	
2410	Take-up reversal spring	1	A24		○△	
2411	Top idle first spring 	1	A24		○△	
2412	Large lever screw 	1			○	
2413	Large lever	1	A28	3	△	
2415	Large lever spring	1			○	
2416	Quick return lever	1	429	3	△	
2417	Quick return lever spring 	1		3	○	
2418	Quick return lever stopper	1			○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2419	Quick return lever stopper screw	5	20FB1-		○	
2420	Large lever spring hook	1			○	
2421	C-clip	1	A29		○△	
2422	Rewind metal	1			○	
2423	Rewind spring	1			○	
2424	Rewind spring base	1			○	
2425	Rewind fork 	1		2	○	
2426	Adjusting spacer	1		3	○	
2427	AR metal	1	A15	3	△	
2428	AR click spring	1			○	
2430	Large lever bush	1	A28		△	
2432	Release button bottom shaft 	1	A32		△	
2437	Vertical lever guide plate	1			○	
2438	Set screw	7	A21, A23, A31, B, D		○△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2439	Large lever screw lock ring	1	20FB1-		○	
2440A	Curtain end plate	1	A9	13	△	
2440B	Front curtain end plate	1	A8	11	△	
2442	Drum top bearing	1	D, D3		△	
2443	Drum bottom bearing	1	D, D3		△	
2444	Drum 	1	D, D3	11	△	
2445	Spring tube end	1	D, D5		△	
2445A	Front spring tube end	1	D, D4		△	
2446	Spring tube rivet base	1	D, D5		△	
2446A	Front spring rivet base	1	D, D4		△	
2447	Front spring tube 	1	D, D4	11	△	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FB1-2601	Camera back 	1	20FB1-F, F1	16, 17	△	
2602	Camera bottom 	1	F, F1	16, 17	△	
2603	Open-close lever	1	F, F1	16, 17	○△	
2605	Camera back rivet	2	F, F1		△	
2606	Camera back rivet	3	F, F1		△	
2607	Camera back nut	3	F, F1	17	△	
2608	ASA spring base	1	F, F1		○△	
2701	Shoe contact silver	1	A6	15	△	
2702	Shoe contact outer ring	1	A6	2, 15	△	
2703	Shoe insulating collar 	1	A6	15	△	
2703A	Shoe insulating upper collar	1				
2704a	Cord (indigo)	1	A34		△	
2704b	Cord (yellow)	1	A17		△	

	No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1-A1	Counter scale ring	1	45, 428, 436 x 3	2	
	A2	Counter plate	1	591, 592	2	
	A3	Right top cover	1	46, 2003A, 2003C, 2022, 41	2	
	A4	Left top cover	1	2003B, 2003C, 2022	2	
	A5	Rewind knob	1	551, 552, 553, 554, 573, 552A, 552B, 578 x 2	2	
	A6	Shoe contact	1	2701, 2702, 2703	2, 15	
	A7	Self-timer	1	804 - 876	6, 8	
	A8	Front curtain	1	2397 x 2, 2399, 2440B, 497 x 2	12	
	A9	Rear curtain	1	2398 x 2, 2400, 2440A, 497 x 2	13	
	A10	Intermediate lever	1	2332, 2333, 2338	4	
	A11	Shutter leaf spring	1	421, 424, 425. 426	4	
	A12	Governor	1	501 - 536	14	
	A13	Bottom cover	1	2007, 14, 27, 33 14A	4, 17	
	A14	Release screw	1	387, 436	2	
	A15	A-R metal	1	2387, 2427, 394 x 2 395 x 2, 396	3	

	No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB-A16	Release button top spindle	1	2390, 2393		
	A17	Safety contact	1	2704B, 700, 701, 702 x 3, 703 x 2, 704 x 2, 705, 706, 707	3, 15	
	A18	Slow speed spindle	1	292, 293, 294	14	
	A19	Counter scale	1	430, 431, 432	3	
	A20	Counter bearing	1	433, 590	3	
	A21	Winding metal	1	445, 446 x 3, 447, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459 x 2, 460 x 2, 461 x 2, 462 x 2, 594, 598, 270 x 2, 2438, 578 x 2, 434, 435, 435A	2, 3	
	A22	Counter scale spindle	1	483, 485	3	
	A23	Spool nut	1	480, 491, 2438 x 2		
	A24	Top idle	1	464, 465, 466, 467, 468, 471, 285, 2410, 2411, 472, 473	3	
	A25	Synchro running lever	1	2401, 2406, 577, 706	3, 15	
	A26	Release button safety lever	1	2318, 2320, 318		

	No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1-A27	Bearing metal	1	275, 276, 277, 278, 279, 280	14	
	A28	Large lever	1	2413, 2430	3	
	A29	Hooking lever	1	2313, 2416, 2421	3	
	A30	Release lever spindle	1	308, 309, 310, 311, 312	14	
	A31	Change-over spindle	1	2309, 2311, 2438, 306, 307, 322	5, 14	
	A32	Shutter spindle	1	2432, 345, 359 x 26 411, 412, 410		
	A33	Sprocket	1	404, 408, 2392		
	A34	Terminal	1	708, 709, 710, 711, 718, 2704A	15	
	A35	Self-timer link lever	1	2172, 2173, 2173A, 2173B, 2174, 2175, 2177		
	A36	Rewind base	1	2005, 702 x 2, 703 x 2, 704 x 2, 715	2, 3 15	
	A37	Support lever spindle	1	2130, 2131		
	A38	Hooking button	1	2127, 2128, 2129		
	A39	Coupling	1	2125, 2126	5	
	A40	Slow lever	1	299, 299A, 301		

	No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1-B	Intermediate plate	1	B1, B2, B3 and 258 x 2, 2303, 2305, 2307, 2314, 2324, 2438, 253, 254, 255, 256, 259, 261, 265, 266, 267, 268, 269, 270 x 3, 272, 302, 303, 304, 324, 583, 2315, 257, 2407, 358, 578 x 4	2, 3 14, 15	
	B1	High speed lever	1	271, 282, 283A, 283B, 283C, 284, 286, 287A, 287B, 287C, 288, 290, 291, 295, 289	2, 3 14	
	B2	Synchro cam lever	1	2403, 2404, 2405, 587, 588, 589, 586, 707, 716	15	
	B3	Shutter speed dial	1	47, 2301, 2302	2	
	C	Mirror housing	1	C1 - C10 and G1, 2009, 2011, 2014 x 4, 2024, 2027, 2043 x 4, 2105, 2106, 2107, 2113 x 4, 2134 x 4, 2160, 2162, 2163, 2166, 2182 x 2, 2183 x 2, 2187, 2188, 2189 x 2, 2191 x 2, 2192, 2193A, 2193B, 2194, 2209, 2210, 2212, 2213, 2214 x 2, 2215, 2216, 2217, 2194A, 2217A, 2220, 2221, 2221A, 2224, 2230, 2232, 2233 x 4, 2234, 2235, 2254, 2345, 2346, 2347	2, 5 6, 7 8, 9 10	

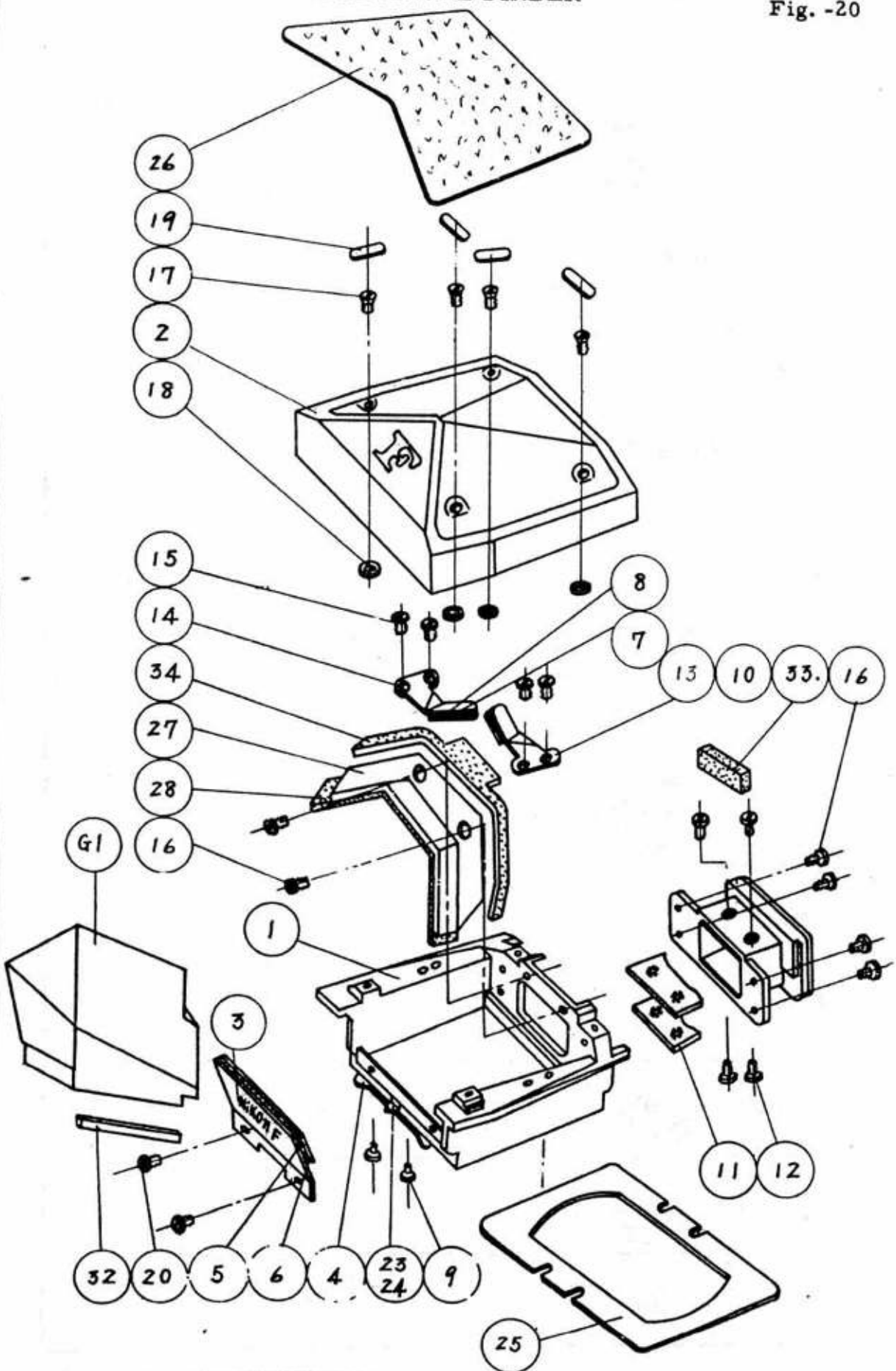
	No. of Subass'y	Name	Pcs per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1-C1	Rear cover	1	2010, 2039 x 2	6, 8	
	C2	Support lever	1	2123, 2139, 2140, 2141	7, 8 9, 10 11	
	C3	Mirror plate	1	2184, 2185, 2186B, 2196, 2198, 2218, 2252A, 2253		
	C4	Aperture lever	1	2222, 2223	6, 7 8, 9	
	C5	Mirror driving	1	2201, 2205, 2207, 2211, 2211A, 2211B, 2256	6, 7 8, 9	
	C6	Fork lever	1	2199, 2226	7, 9 10	
	C7	Vertical lever	1	2219, 2200, 2252B, 2257	6, 7 8, 9	
	C8	Shock-free lever base	1	2151, 2152, 2153, 2154 x 2, 2156, 2157, 2158, 2159, 2164, 2165, 2233 x2	10	
	C9	Mirror connecting vertical lever	1	2180, 2181	6, 7 8, 9	
	C10	Mirror raising lever	1	2229, 2231	6, 7 8, 10	

	No. of Subass'y	Name	Pcs per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1 D	Bottom plate	1	D1 - D6 and 2008, 2327, 2330, 2331, 2334, 2335, 2336, 2340, 2342, 2343, 2350, 2356, 2438, 347, 353 x 2, 377, 378, 381, 385, 418, 419, 285 x 2, 362 x 2, 363 x 2, 364, 367 x 2, 368 x 2, 369 x 2, 364A	4, 11 15	
	D1	Bottom plate bound prevention	1	331, 346, 349, 352, 361, 376, 379	4	
	D2	Mirror coupling small lever	1	2341, 2344		
	D3	Drum	1	2442, 2443, 2444, 337 x 2, 338, 341, 342, 343, 335, 344, 345 x 2, 334, 348, 2348, 351, 2308, 326	4, 11 15	
	D4	Front spring tube	1	2446A, 2447, 2445A, 370, 372	11	
	D5	Rear spring tube	1	2446, 375, 371, 373, 2445	11	
	D6	Bottom idle gear	1	354, 356, 357, 359 x 24		

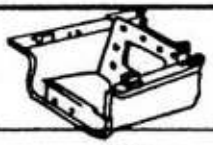
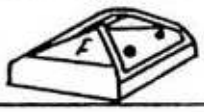
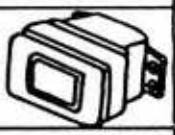
	No. of Subass'y	Name	Pcs. per Unit	No. of Constituent Parts	Ref. Page	Remarks
BODY	20FB1-E	Front plate Caution! When exchanging, it is attached, and back focus is to be adjusted at all times.	1	E1 and 2006, 2060, 2061, 2062, 2236, 2237, 2238, 2239, 2240 x 6, 2241, 2247, 2248, 2249, 2051, 2052 x 6, 2056 x 3, 2064 x 4, 2012, 2053, 2054, 2055, 2057, 2058, 2063, 2227, 2409 x 2, 2242, 2243, 2244, 2245	1, 5 6, 8	
	E1	Mirror coupling lever	1	2167, 2168, 2170, 2170A, 2171, 2179, 2241 x 2	6, 8	
	F	Camera back	1	F1, F2 and 613 x 2	5, 16 17	
	F1	Camera back	1	2601, 2602, 2603, 2605 x 2, 2606 x 3, 2607 x 3, 2608, 2029A, 604, 605, 606, 607, 608, 609, 614, 615 x 2, 617 x 2, 618, 620, 621, 625 x 2, 626, 628, 630, 632, 634, 359, 628A, 628B	5, 6 17	
	F2	Pressure plate	1	610 x 2, 611, 612 x 2	16	

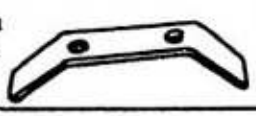
EYE-LEVEL FINDER

Fig. -20



(20FD2) - R. 0028. A

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FD2-1	Prism frame 	1	20FD2-A1	69	△	
2	Prism cover 	1		69	○	
3	Prism supporting front plate	1	A4	69	△	
4	Screw holder	2	A1	69	○△	
5	Prism supporting sponge	1	A4	69	△	
6	Roof prism protector	1	A4	69	△	
7	Roof prism cover	2	A2, A3	69	△	
8	Roof prism protector	2	A2, A3	69	△	
9	Screen holding screw	4	A1	69	○△	
10	Eyepiece frame 	1		69	○	
11	Lens holder	2		69	○	
12	Lens holder screw	4		69	○	
13	Prism holder	1	A2	69	△	
14	Prism holder	1	A3	69	△	
15	Eyepiece screw	4		69	○	

No. of Part	Name and Shape	Pcs. per Unit	No. of Subassembly	Ref. Page	Term of Sale	Remarks
20FD2-16	Eyepiece short screw	6	20FD2-	69	○	
17	Prism cover screw	4		69	○	
18	Prism cover spacer	4		69	○	
19	Screw hole cover	4		69	○	
20	Prism supporting front plate screw	2		69	○	
23	Rivet	1	A1	69	△	
24	Rivet	2	A1	69	△	
25	Prism aperture frame	1	A1	69	○△	
26	Imitation leather	1		69	○	
27	Roof prism dust-tight cover 	1	A5	69	△	
28	Roof prism dust-tight cover	1	A5	69	△	
32	Roof prism dust-tight cover	1		69	○	
G1	Prism			69	○	
G2	Lens		A6		△	
G3	Lens		A6		△	